My Mission Tracker

Explorer: _____

Tick the box when a mission is done. L1 is for age 4, L2 for age 5, L3 for age 6.

1 Welcoming Lakshmi L1 ☐
2 Rama Comes Home L1 ☐
3 The Sleepy Mystery L1 ☐
4 The Butterfly Secret L1 ☐
5 The Ant Parade L1 ☐
6 The Smoky Sky L1 ☐
7 Penguin Land L1 ☐
8 The Tiny Tadpole L1 ☐
9 Where Wind Comes From L1 ☐
10 Seeds on the Move L1 ☐
11 Planet Hunt L1 ☐
12 The Festival of Lights L1 ☐
13 Thump Thump Faster L1 ☐
14 The Fire Mountain L1 ☐
15 The Brown Apple L1 ☐
16 The Chewing Cow L1 ☐
17 Mirror Mirror L1 ☐
18 The Grass Singer L1 ☐
19 The Scared Puppy L2 ☐
20 The Changing Moon L2 ☐
21 The Purring Cat L2 ☐
22 The Rumbling Tummy L2 ☐
23 The Peacock Dance L2 ☐
24 The River's Journey L2 ☐
25 The Thirsty Desert L2 ☐
26 The Vanishing Salt L2 ☐
27 Cloud Factory L2 ☐
28 The Biggest Animal L2 ☐
29 Goosebumps! L2 ☐
30 The Kolam Riddle L2 ☐
31 Round Bubbles L2 ☐
32 Spotty Ladybird L2 ☐
33 High-Flying Kite L2 ☐
34 Achoo! L2 ☐
35 Tiny Lanterns L2 ☐
36 The Itchy Bite L2 ☐
37 The Snake's Old Coat L3 ☐
38 The Spider's Thread L3 ☐
39 The Tallest Neck L3 ☐
40 Cold Mountain Tops L3 ☐
41 Night Hunter L3 ☐
42 Fantastic Feathers L3 ☐
43 The Blazing Sun L3 ☐
44 Bones Inside L3 ☐
45 The Vanishing Puddle L3 ☐
46 The Seesaw Puzzle L3 ☐
47 Bouncy Ball L3 ☐
48 Rocket Launch L3 ☐
49 POP Goes the Balloon L3 ☐
50 The Magic Straw L3 ☐
51 The Flame Puzzle L3 ☐
52 Sweet Sharing L3 ☐
53 The Cool Fan L3 ☐
54 The Puffy Bread L3 ☐

MISSION 1
Level 1 · Diwali story

Welcoming Lakshmi

Explorer: _____



Amma is cleaning every corner of our home before Diwali! Why does our home need to sparkle?

1 Point and guess! What do many families do to get ready for Diwali?



A sleep all day

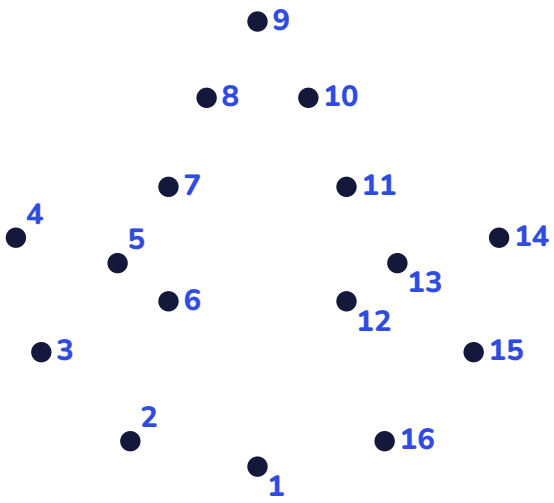


B play football



C clean the home

2 Join the dots from 1 to 16



What did you make? Colour it in!

3 Tick what helps get a home ready for Diwali



broom ☐



car ☐



kolam ☐



rock ☐



diya ☐



lantern ☐

Use your hands! Tear 6 paper petals with your fingers. Glue them in a circle to make a lotus.

Real-life mission: Help a grown-up clean one shelf or corner before Diwali. What did you find there? Tell Pip!

4 Shadow match! Draw a line from each picture to its shadow.













Mission done!

Quiz: C, clean the home. Many families clean their homes and draw rangoli. The story says Lakshmi, the goddess of good fortune, visits homes that are clean and bright. The dots make a lotus. Ticks: broom, kolam, diya, lantern. Shadows: each picture joins the shadow of the same shape.

MISSION 2
Level 1 · Diwali story

Rama Comes Home

Explorer: _____



Paati told me a story. Long ago, Prince Rama came home after fourteen years away. How did everyone welcome him?

1 Point and guess! How did the people of Ayodhya welcome Rama home?



A rang one bell



B made snowmen



C lit rows of lamps

2 Help Rama get home to Ayodhya

Start



3 Put the story in order! Draw a line from each picture to 1, 2 or 3



lamps were lit



came home



lived in the forest

1 2 3

Use your hands! Line up 5 small things in a row to make a path home. Walk Pip along it with your fingers.

Real-life mission: Ask a grown-up to tell you the story of Rama coming home. Who came home with him? Tell Pip!

4 Word match! Draw a line from each word to its picture.

bell

snowflake

diya







Mission done!

Quiz: C, lit rows of lamps. The story says the people of Ayodhya lit rows of diyas to welcome Rama, Sita and Lakshmana home. Many families light diyas at Diwali to remember it. Order: lived in the forest then came home then lamps were lit. Lines: bell to its picture, snowflake to its picture, diya to its picture.

MISSION 3
Level 1 · My Body

The Sleepy Mystery

Explorer: _____



Every night my eyes feel heavy and I yawn and yawn. Why does my body need to sleep?

1 Point and guess! What does your body do while you sleep?



A rests and grows

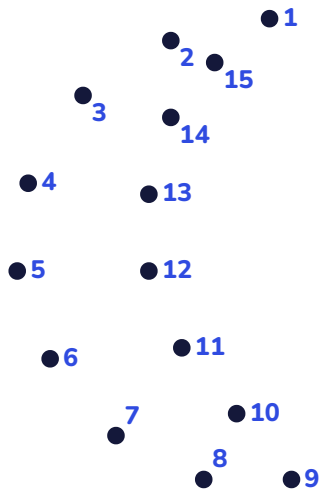


B drives around



C freezes

2 Join the dots from 1 to 15



What did you make? Colour it in!

3 Tick what helps you sleep well



bed ☐



drum ☐



pillow ☐



cracker ☐



sun ☐



bell ☐

Use your hands! Make a little bed for a toy from a cloth. Tuck it in tight and tell it goodnight.

Real-life mission: Tonight, notice what you do just before you fall asleep. Tomorrow, tell Pip!

4 Shadow match! Draw a line from each picture to its shadow.













Mission done!

Quiz: A, rests and grows. While you sleep, your body rests, repairs itself and grows. Your brain sorts out what you learned that day. The dots make a crescent moon. Ticks: bed, pillow. Shadows: each picture joins the shadow of the same shape.

MISSION 4
Level 1 · Living World

The Butterfly Secret

Explorer: _____



I saw a fat caterpillar on a leaf. Paati says it will become a butterfly! How can that be?

1 Point and guess! Where does a caterpillar change into a butterfly?



A inside a bird's nest



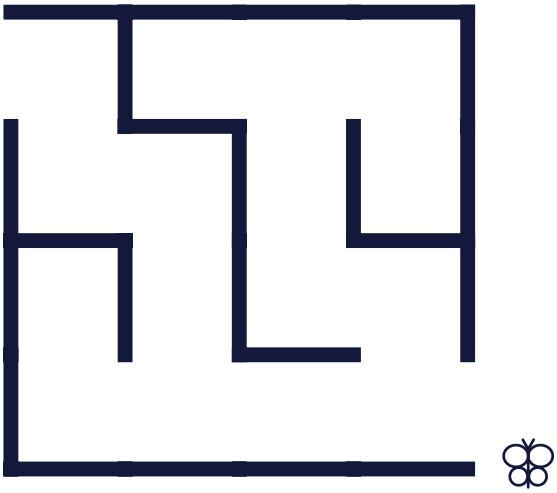
B inside a hard case called a pupa



C inside a flower

2 Help Pip get to the butterfly

Start



3 Put it in order! Draw a line from each picture to 1, 2, 3 or 4



caterpillar ●



butterfly ●



pupa ●



tiny egg ●

● 1 ● 2 ● 3 ● 4

Use your hands! Fold a paper in half. Dab paint on one side, press the halves together, open. Butterfly wings!

Real-life mission: Look under leaves in a garden for a caterpillar or a pupa. Look, but do not touch. Tell Pip!

4 Word match! Draw a line from each word to its picture.

flower ●

fish ●

egg ●

● 

● 

● 

Mission done!

Quiz: B, inside a hard case called a pupa. A caterpillar wraps itself in a hard case called a pupa (a moth makes a cocoon). Inside, its body changes into a butterfly. Order: tiny egg then caterpillar then pupa then butterfly. Lines: flower to its picture, fish to its picture, egg to its picture.

MISSION 5
Level 1 · Living World

The Ant Parade

Explorer: _____



A long line of ants walked across our kitchen floor to a sugar crumb! How do they all know the way?

1 Point and guess! How do ants find the way to food?



A they read signs



B they take a bus



C they follow a smell trail

2 Help the ant get to the sweet

Start



3 Tick the insects. Careful, some are tricky!



ant ☐



spider ☐



bee ☐



snake ☐



butterfly ☐



frog ☐

Use your hands! Carry one grain of rice on a spoon across the room like an ant. Do not drop it!

Real-life mission: Put one grain of sugar near an ant line with a grown-up. How long until an ant finds it? Tell Pip!

4 Shadow match! Draw a line from each picture to its shadow.













Mission done!

Quiz: C, they follow a smell trail. An ant that finds food leaves a smell trail on the way home. Other ants follow the smell. Ticks: ant, bee, butterfly. Shadows: each picture joins the shadow of the same shape.

MISSION 6
Level 1 · Diwali

The Smoky Sky

Explorer: _____



The morning after Diwali, the sky looked grey and the air smelled smoky. Where did the smoke come from?

1 Point and guess! What makes the air smoky after Diwali?



A rain clouds



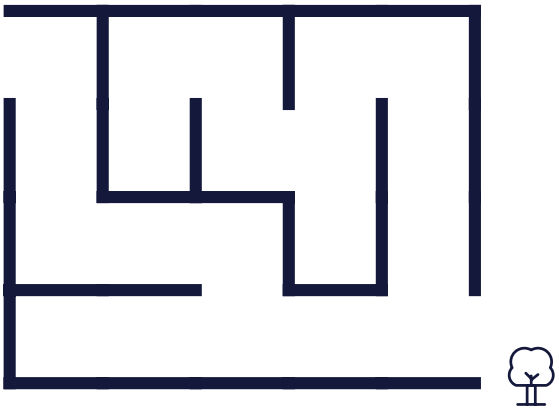
B smoke from crackers



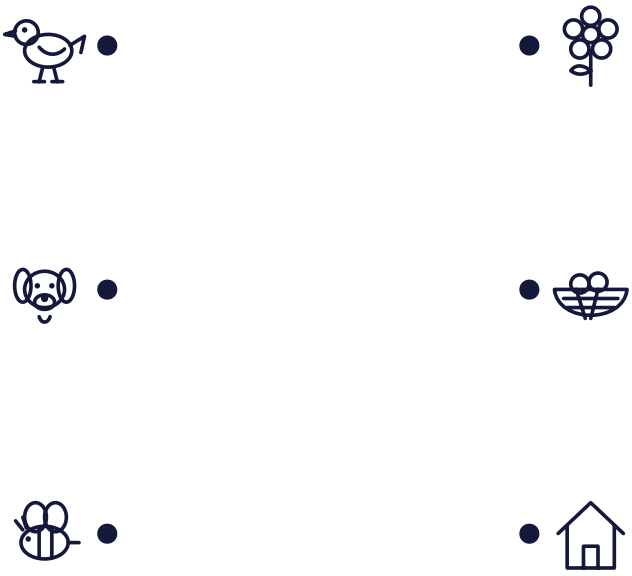
C the moon

2 Help the bird fly to the tree

Start



3 Draw a line to match! Where does each one go?



Use your hands! Breathe on a mirror or a cold window. Draw in the mist with your finger.

Real-life mission: On the morning after Diwali, look at the sky from a window. Does the air look hazy? Look again two days later. Is it clearer? Tell Pip!

4 Word match! Draw a line from each word to its picture.

cloud

moon

diya



Mission done!

Quiz: B, smoke from crackers. Crackers make smoke that hangs in the air for a while. Diyas and electric lights make far less smoke. Lines: bird to nest, dog to house, bee to flower. Lines: cloud to its picture, moon to its picture, diya to its picture.

MISSION 7
Level 1 · Geography

Penguin Land

Explorer: _____



Penguins have wings but they cannot fly! Where do they live, and what do they do with their wings?

1 Point and guess! What do penguins use their wings for?



A flying high

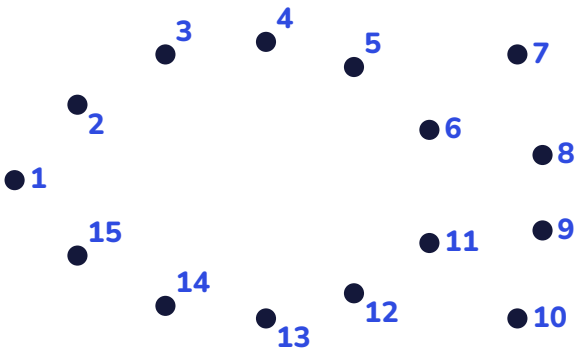


B drumming



C swimming

2 Join the dots from 1 to 15



What did you make? Colour it in!

3 Tick every animal that has feathers.



penguin ☐



fish ☐



owl ☐



cat ☐



hen ☐



frog ☐

Use your hands! Make a penguin from play dough: a big body, a small head, two flippers and a beak.

Real-life mission: Waddle like a penguin across the room with your arms down by your sides. Is it easy? Tell Pip!

4 Shadow match! Draw a line from each picture to its shadow.













Mission done!

Quiz: C, swimming. Penguins use their wings like flippers to swim fast. Many live in the cold south near Antarctica, and some live in warmer places like South Africa. The dots make a fish. Ticks: penguin, owl, hen. Shadows: each picture joins the shadow of the same shape.

MISSION 8
Level 1 · Living World

The Tiny Tadpole

Explorer: _____



In the pond there were tiny black wriggly things with tails. Paati says they will become frogs!

1 Point and guess! What does a tadpole grow into?



A a fish

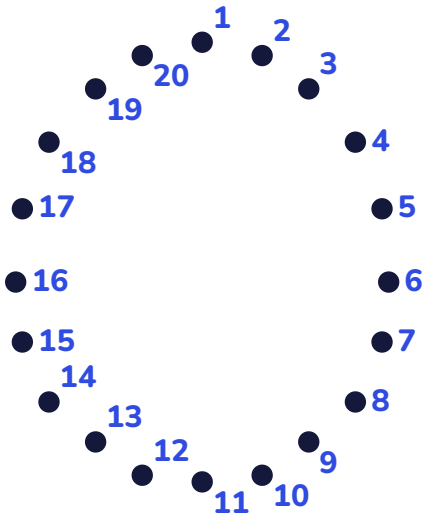


B a frog



C a snake

2 Join the dots from 1 to 20



What did you make? Colour it in!

3 Put it in order! Draw a line from each picture to 1, 2 or 3



frog



eggs in water



tadpole

1 2 3

Use your hands! Roll a play dough ball. Add a tail. Then add 4 legs. Your tadpole becomes a frog!

Real-life mission: Visit a pond or lake with a grown-up. Can you spot a frog, a tadpole or a lotus? Tell Pip!

4 Word match! Draw a line from each word to its picture.

fish

frog

snake







Mission done!

Quiz: B, a frog. Frogs lay eggs in water. The eggs hatch into tadpoles, which grow legs, lose their tails and become frogs. The dots make an egg.
Order: eggs in water then tadpole then frog. Lines: fish to its picture, frog to its picture, snake to its picture.

MISSION 9
Level 1 · Earth & Weather

Where Wind Comes From

Explorer: _____



I cannot see the wind, but it blew my hat away! Where does wind come from?

1 Point and guess! What is wind?



A moving water

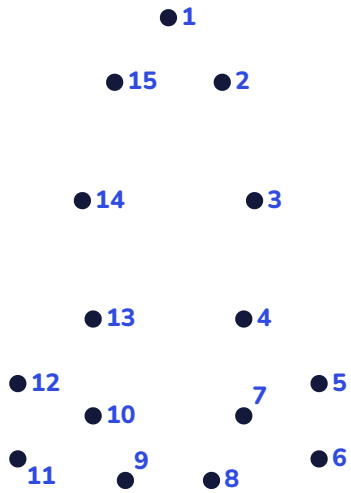


B moving rocks



C moving air

2 Join the dots from 1 to 15



What did you make? Colour it in!

3 Tick the ones the wind can move



kite ☐



house ☐



leaf ☐



rock ☐



boat ☐

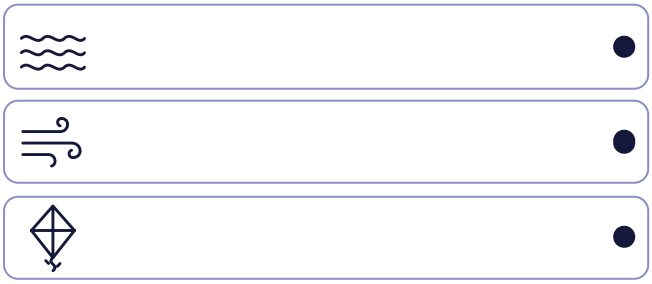


dandelion ☐

Use your hands! Fold a paper into a zig-zag fan. Fan a feather across the table.

Real-life mission: On a windy day, hold up a ribbon or a tissue. Which way is the wind blowing? Tell Pip!

4 Shadow match! Draw a line from each picture to its shadow.



Mission done!

Quiz: C, moving air. The sun warms some places more than others. Warm air rises and cooler air rushes in to take its place. That moving air is wind. The dots make a rocket. Ticks: kite, leaf, boat, dandelion. Shadows: each picture joins the shadow of the same shape.

MISSION 10
Level 1 · Living World

Seeds on the Move

Explorer: _____



I blew on a fluffy dandelion and its seeds flew away! Where do plant seeds go?

1 Point and guess! How do dandelion seeds travel?



A in a car



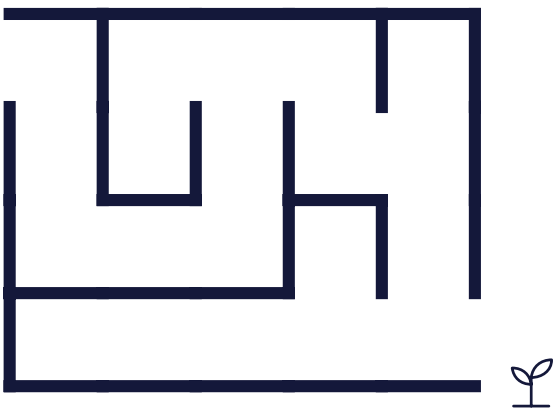
B the wind carries them



C they crawl

2 Help the seed find a place to grow

Start



3 Draw a line to match! How does each seed travel?













Use your hands! Blow a feather and a cotton ball across a table. Which one travels farther?

Real-life mission: Find a fluffy seed or a dry leaf. Drop it and blow gently. How far does it fly? Tell Pip!

4 Word match! Draw a line from each word to its picture.

car

wind

snake







Mission done!

Quiz: B, the wind carries them. Dandelion seeds have tiny fluffy parachutes, so the wind carries them far away to grow new plants. Lines: dandelion to wind, coconut to sea waves, apple to bird. Lines: car to its picture, wind to its picture, snake to its picture.

MISSION 11
Level 1 · Sky & Space

Planet Hunt

Explorer: _____



Earth is a planet. Are there other planets out there, going round and round the sun?

1 Point and guess! How many planets go around our sun?



A only one, the Earth

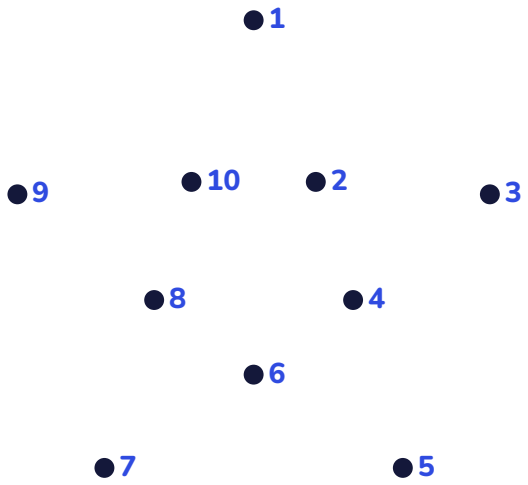


B eight planets



C a hundred

2 Join the dots from 1 to 10



What did you make? Colour it in!

3 Tick the things you can find in space



planet ☐



tree ☐



star ☐



car ☐



rocket ☐

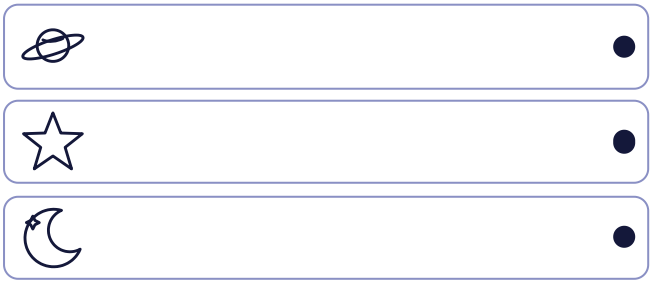


moon ☐

Use your hands! Roll 3 play dough planets: small, middle, big. Line them up from smallest to biggest.

Real-life mission: On a clear evening, ask a grown-up to help you find a very bright dot that does not twinkle. It might be a planet! Tell Pip!

4 Shadow match! Draw a line from each picture to its shadow.



Mission done!

Quiz: B, eight planets. Eight planets travel around the sun, and Earth is one of them. Jupiter is the biggest. The dots make a star. Ticks: planet, star, rocket, moon. Shadows: each picture joins the shadow of the same shape.

MISSION 12
Level 1 · Diwali

The Festival of Lights

Explorer: _____



Everyone is lighting tiny lamps on their doorsteps tonight! Why do we light so many diyas at Diwali?

1 Point and guess! What does a diya need to keep burning?



A water

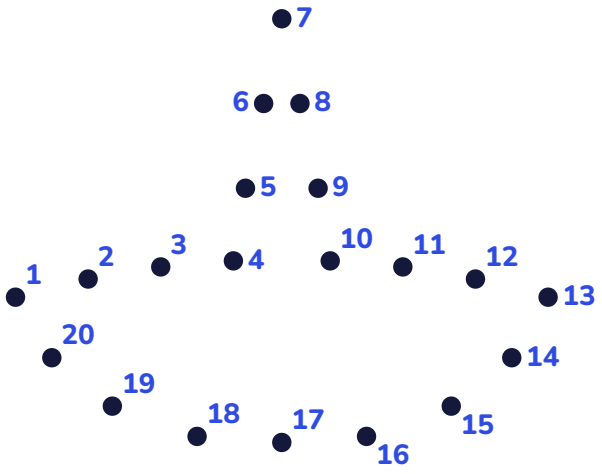


B oil and a cotton wick



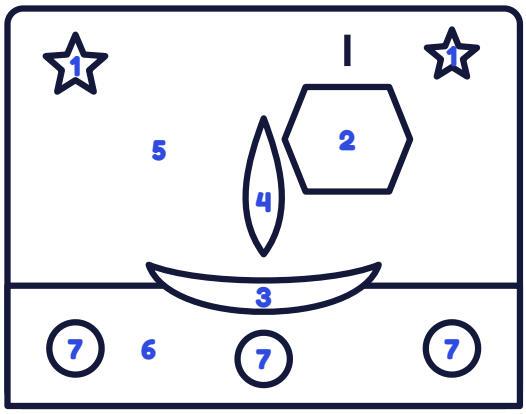
C leaves

2 Join the dots from 1 to 20



What did you make? Colour it in!

3 Colour by number



1 yellow 2 red 3 brown 4 orange 5 dark blue 6 green 7 pink

Use your hands! Roll play dough into a small bowl to make your own diya. Pinch one edge for the wick.

Real-life mission: With a grown-up, look at a diya before and after it burns for an hour. Is there less oil? Tell Pip!

4 Word match! Draw a line from each word to its picture.

water

diya

leaf







Mission done!

Quiz: B, oil and a cotton wick. A diya burns oil that climbs up a cotton wick. Lighting diyas shows light winning over darkness. The dots make a diya. Lines: water to its picture, diya to its picture, leaf to its picture.

MISSION 13
Level 1 · My Body

Thump Thump Faster

Explorer: _____



After I raced my friend, my heart was going THUMP THUMP THUMP really fast! Why?

1 Point and guess! When does your heart beat fastest?



A when you cycle fast



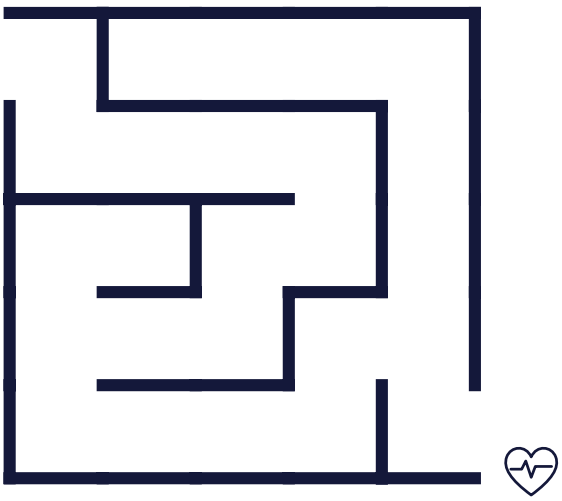
B when you are asleep



C when you lie down

2 Help Pip race to the finish

Start



3 Tick what helps keep your heart healthy



apple ☐



sweet ☐



bicycle ☐



lollipop ☐



carrot ☐



water ☐

Use your hands! Find the pulse on your wrist with two fingers. Jump 10 times. Feel it again.

Real-life mission: Put your hand on your chest. Now jump 20 times. Is your heart beating faster? Tell Pip!

4 Shadow match! Draw a line from each picture to its shadow.













Mission done!

Quiz: A, when you cycle fast. When you run or cycle, your muscles need more air and food from your blood, so your heart pumps faster. Ticks: apple, bicycle, carrot, water. Shadows: each picture joins the shadow of the same shape.

MISSION 14
Level 1 · Earth & Weather

The Fire Mountain

Explorer: _____



I saw a picture of a mountain with fire and smoke coming out of the top! What is it?

1 Point and guess! What comes out of a volcano?



A hot melted rock



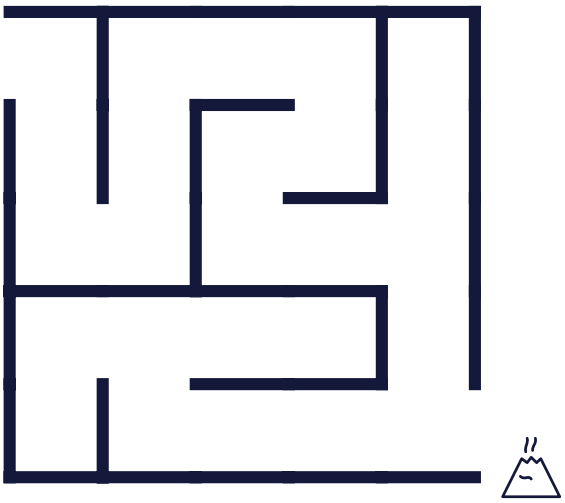
B ice cream



C sea water

2 Help Pip get safely past the volcano

Start



3 Put it in order! Draw a line from each picture to 1, 2 or 3



it erupts



lava cools into rock



a mountain

1 2 3

Use your hands! Build a mountain from play dough. Poke a crater into the top with your finger.

Real-life mission: With a grown-up, watch chocolate or butter melt in a warm pan, then cool and go hard again. That is like lava! Tell Pip!

4 Word match! Draw a line from each word to its picture.

sea waves

mountain

cloud







Mission done!

Quiz: A, hot melted rock. Deep inside the Earth it is so hot that rock melts. A volcano is where that melted rock, called lava, comes out. Order: a mountain then it erupts then lava cools into rock. Lines: sea waves to its picture, mountain to its picture, cloud to its picture.

MISSION 15
Level 1 · Everyday Science

The Brown Apple

Explorer: _____



I cut an apple and left half on the plate. Later it had turned brown! Did it go bad?

1 Point and guess! What turns a cut apple brown?



A the moon



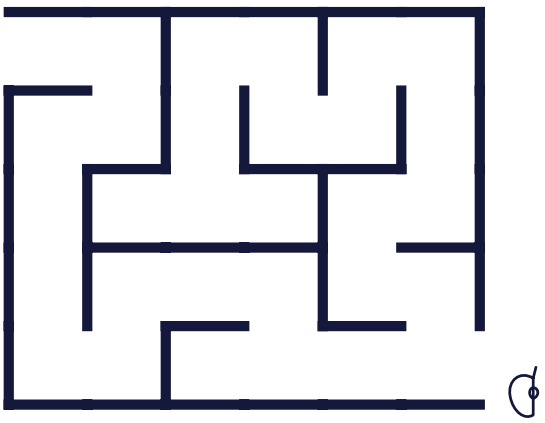
B the air



C salt

2 Help Pip get to the apple

Start



3 Tick the fruits. One is tricky!



apple ☐



carrot ☐



banana ☐



bread ☐



coconut ☐



egg ☐

Use your hands! Smell a slice of apple and a slice of lemon. Which smell is stronger?

Real-life mission: With a grown-up, cut an apple in half. Squeeze lemon on one half only. Which half goes brown first? Tell Pip!

4 Shadow match! Draw a line from each picture to its shadow.













Mission done!

Quiz: B, the air. When a cut apple touches the air, a part of the air called oxygen turns it brown. It is still safe to eat, and lemon juice slows it down. Ticks: apple, banana, coconut. Shadows: each picture joins the shadow of the same shape.

MISSION 16
Level 1 · Living World

The Chewing Cow

Explorer: _____



The cow on our street was chewing and chewing, but she was not eating anything new! What was she doing?

1 Point and guess! Why do cows chew for so long?



A they are eating sweets

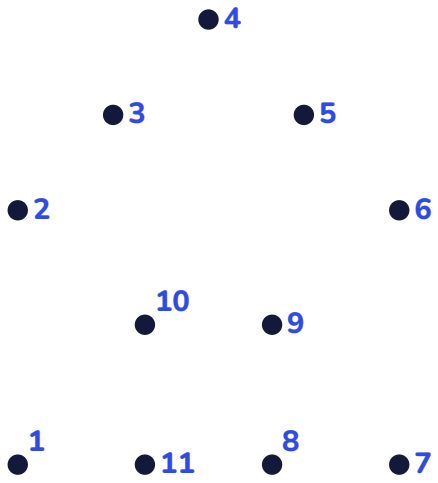


B grass is tough, so they chew it twice



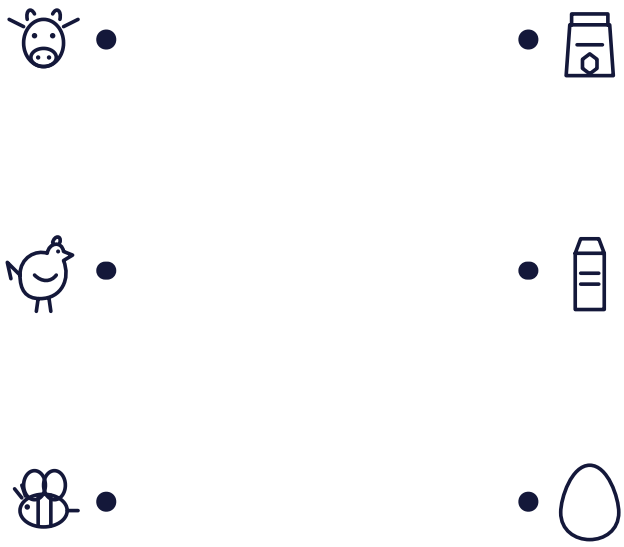
C they are singing

2 Join the dots from 1 to 11



What did you make? Colour it in!

3 Draw a line to match! What does each one give us?



Use your hands! Put your fingers on your cheeks and chew sideways like a cow. Feel your jaw move.

Real-life mission: At your next meal, chew one bite 20 times before you swallow. How does it change? Tell Pip!

4 Word match! Draw a line from each word to its picture.

sweet

bell

fish



Mission done!

Quiz: B, grass is tough, so they chew it twice. Grass is hard to digest. A cow swallows it, brings it back up as cud and chews it again. The dots make a house. Lines: cow to milk, hen to egg, bee to honey. Lines: sweet to its picture, bell to its picture, fish to its picture.

MISSION 17
Level 1 · Everyday Science

Mirror Mirror

Explorer: _____



When I look in the mirror, an owl just like me looks back and copies everything I do! How?

1 Point and guess! Why can you see yourself in a mirror?



A there is a lamp inside

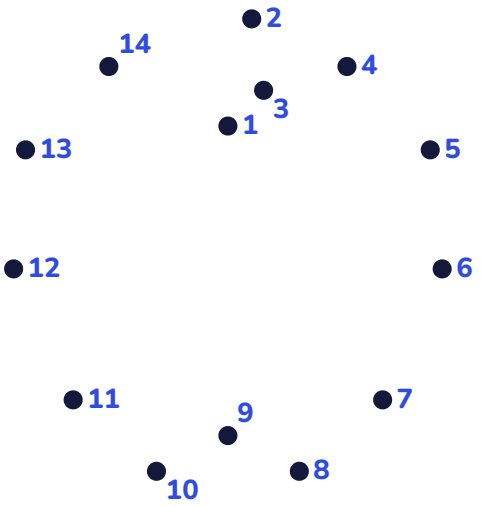


B light bounces straight back off it



C a twin lives inside

2 Join the dots from 1 to 14



What did you make? Colour it in!

3 Tick the things you could see yourself in


mirror ☐


rock ☐


spoon ☐


leaf ☐


puddle ☐


bread ☐

Use your hands! Stand at a mirror and lift your right hand. Which hand does your reflection lift?

Real-life mission: Look at yourself in a shiny spoon. Turn it around. Which side shows you upside down? Tell Pip!

4 Shadow match! Draw a line from each picture to its shadow.








Mission done!

Quiz: B, light bounces straight back off it. A mirror is very smooth and shiny, so light bounces straight back off it and shows you yourself. The dots make an apple. Ticks: mirror, spoon, puddle. Shadows: each picture joins the shadow of the same shape.

MISSION 18
Level 1 · Insects

The Grass Singer

Explorer: _____



In the field I heard a scratchy little song: tsk tsk tsk! Then a grasshopper jumped out. Was it singing?

1 Point and guess! How does a grasshopper make its song?



A it whistles with a beak



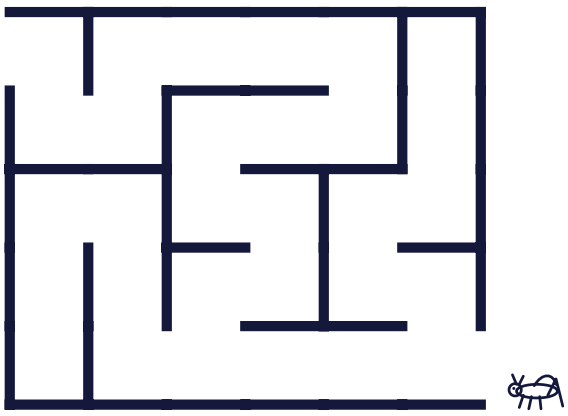
B it bangs a tiny drum



C it rubs its back legs on its wings

2 Help Pip find the grasshopper

Start



3 Tick the insects. Careful, three are not!



grasshopper ☐



spider ☐



ladybird ☐



snake ☐



mosquito ☐



crab ☐

Use your hands! Run a fingernail along the teeth of a comb. Hear the grasshopper song?

Real-life mission: Rub two dry leaves or two pieces of paper together fast. Can you make a grasshopper sound? Tell Pip!

4 Word match! Draw a line from each word to its picture.

bird ●

drum ●

spider ●

● 

● 

● 

Mission done!

Quiz: C, it rubs its back legs on its wings. Many grasshoppers make their song by rubbing their back legs against their wings, like a bow on a violin. Ticks: grasshopper, ladybird, mosquito. Lines: bird to its picture, drum to its picture, spider to its picture.

MISSION 19
Level 2 · Diwali

The Scared Puppy

Explorer: _____

When the crackers went BOOM, the street dog ran and hid under a car! Why was it so scared?

1 Point and guess! Why do loud crackers scare dogs so much?



A dogs hear much better than us



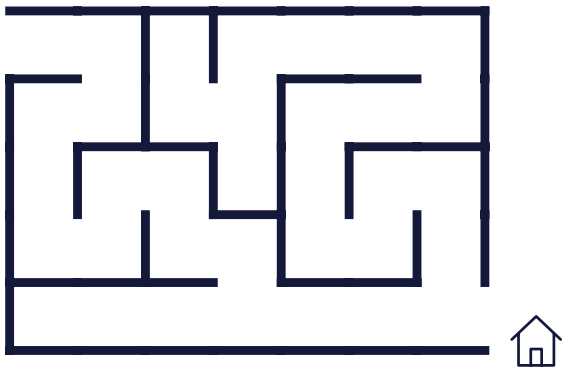
B dogs dislike colours



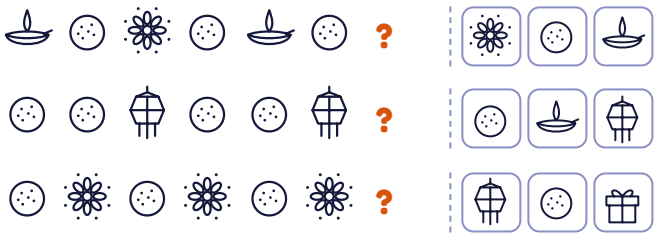
C dogs are hungry

2 Help the puppy find a quiet home

Start



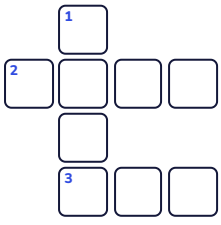
3 What comes next? Circle it on the right



Use your hands! Build a snug cave from cushions and a blanket. Tuck a toy inside. How does it feel to be safe?

Real-life mission: On Diwali night, ask a grown-up to keep a bowl of water and a quiet corner ready for dogs or cats near your home. Tell Pip!

4 Crossword! Write one letter in each box. The pictures help.



1 Down Very noisy (4 letters)



2 Across The sound a cracker makes (4 letters)



3 Across An animal that barks (3 letters)

Mission done!

Quiz: A, dogs hear much better than us. Dogs hear much better than people, so a cracker sounds even louder to them. Next: row 1: kolam; row 2: ladoo; row 3: ladoo. Crossword: 1 Down loud, 2 Across boom, 3 Across dog.

MISSION 20
Level 2 · Sky & Space

The Changing Moon

Explorer: _____



Last week the moon was a thin smile. Tonight it is round! Why?

1 Point and guess! Why does the moon look different each night?



A we see more or less of its sunny side

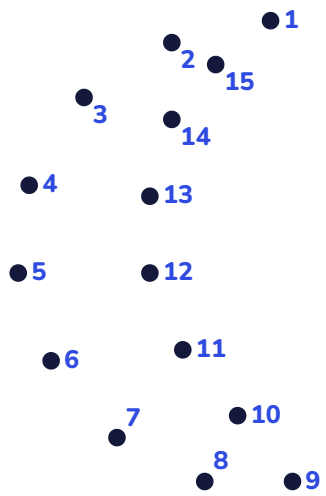


B someone takes a bite



C clouds cut pieces off

2 Join the dots from 1 to 15



What did you make? Colour it in!

3 Put it in order! Draw a line from each picture to 1, 2 or 3



thin crescent ●



full moon ●



half moon ●

● 1 ● 2 ● 3

Use your hands! Cover a paper moon with your hand. Show a full moon, half a moon, then a thin sliver.

Real-life mission: Look at the moon every night this week with a grown-up. Is it getting bigger or smaller? Tell Pip!

4 Word match! Draw a line from each word to its picture.

moon ●

cloud ●

star ●

● 

● 

● 

Mission done!

Quiz: A, we see more or less of its sunny side. The moon stays round. As it travels around the Earth, we see more or less of the side lit by the sun. The dots make a crescent moon. Order: thin crescent then half moon then full moon. Lines: moon to its picture, cloud to its picture, star to its picture.

MISSION 21
Level 2 · Living World

The Purring Cat

Explorer: _____



Our neighbour's cat sat on my lap and started to rumble like a tiny engine! What is that sound?

1 Point and guess! When do cats purr the most?



A when they swim

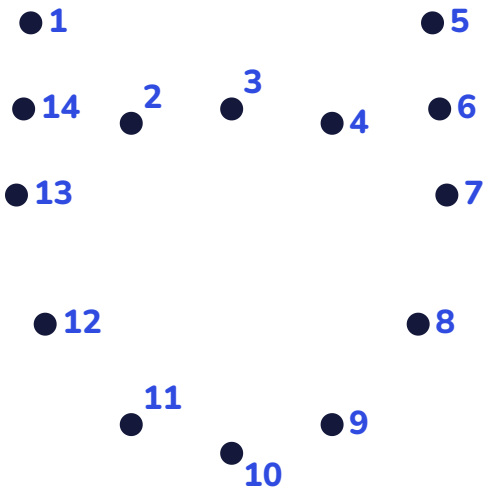


B when they feel calm and happy



C when they climb a tree

2 Join the dots from 1 to 14



What did you make? Colour it in!

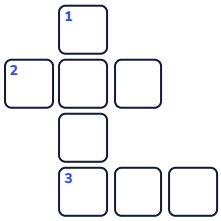
3 What comes next? Circle it on the right



Use your hands! Put your hand gently on your throat and hum. Feel the buzz, like a purr.

Real-life mission: With a grown-up's OK, gently stroke a calm cat. Can you hear or feel it purr? Tell Pip!

4 Crossword! Write one letter in each box. The pictures help.





1 Down A cat swishes it (4 letters)

2 Across It says meow (3 letters)

3 Across Where a cat sits when you sit down (3 letters)

Mission done!

Quiz: B, when they feel calm and happy. Cats often purr when they feel calm and happy, like a soft rumbling hum. The dots make a cat's face.
Next: row 1: cow; row 2: fish; row 3: cow. Crossword: 1 Down tail, 2 Across cat, 3 Across lap.

MISSION 22
Level 2 · My Body

The Rumbling Tummy

Explorer: _____



Just before lunch my tummy went GRRRR! Is there a little lion living in there?

1 Point and guess! Why does a tummy rumble?



A there is a drum inside



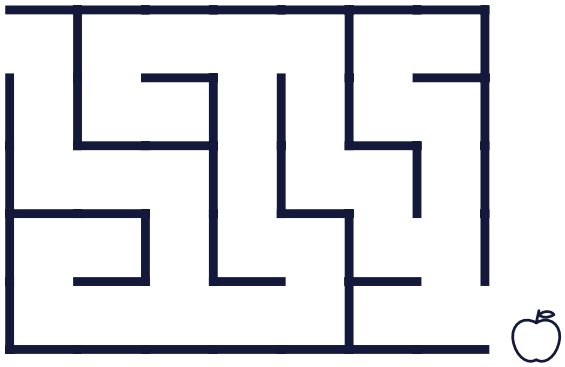
B it is squeezing air and juices along



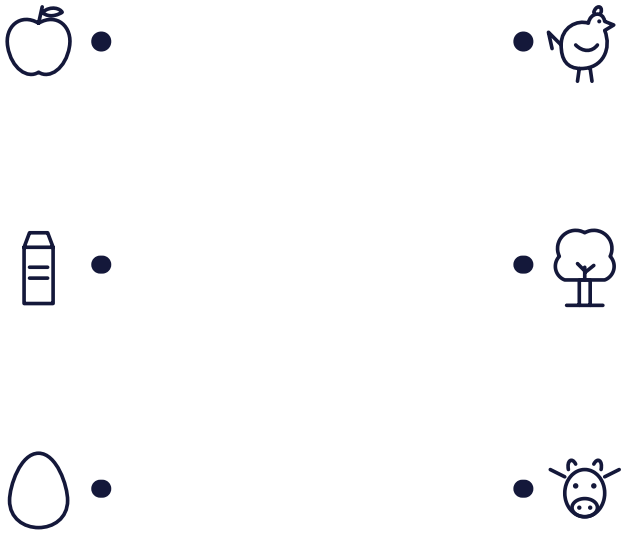
C a frog lives there

2 Help Pip get to the snack

Start



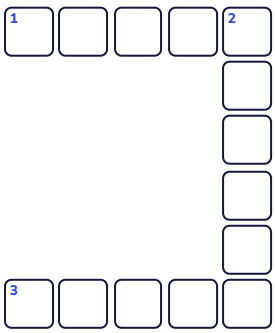
3 Draw a line to match! Where does each food come from?



Use your hands! Lie down. Rest your hand on your tummy and breathe slowly. Feel it rise and fall.

Real-life mission: Before your next meal, put your ear gently on a grown-up's tummy. Can you hear any gurgles? Tell Pip!

4 Crossword! Write one letter in each box. The pictures help.



1 Across The midday meal (5 letters)

2 Down When you want to eat (6 letters)

3 Across Where your food goes (5 letters)

Mission done!

Quiz: B, it is squeezing air and juices along. Your tummy squeezes food, air and juices along. When it is nearly empty, the squeezing makes a gurgling sound. Lines: apple to tree, milk to cow, egg to hen. Crossword: 1 Across lunch, 2 Down hungry, 3 Across tummy.

MISSION 23
Level 2 · Living World

The Peacock Dance

Explorer: _____



A peacock opened its huge tail like a fan and danced! Why does it do that?

1 Point and guess! Why does a peacock spread its tail?



A to show off to a peahen

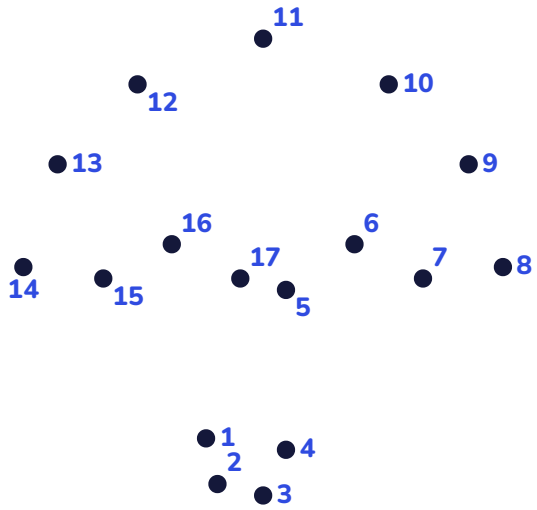


B to stay dry



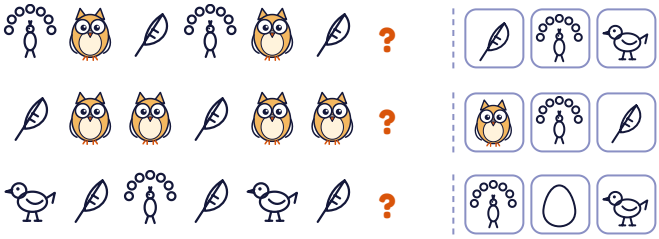
C to keep warm

2 Join the dots from 1 to 17



What did you make? Colour it in!

3 What comes next? Circle it on the right



Use your hands! Trace your hand on paper with fingers spread wide. Colour it like a peacock tail.

Real-life mission: Find a feather. Look at it closely. Can you see tiny lines in it? Tell Pip!

4 Word match! Draw a line from each word to its picture.

umbrella ●

sun ●

owl ●







Mission done!

Quiz: A, to show off to a peahen. A male peacock spreads his shiny tail feathers to show off to a peahen. The bigger and brighter, the better! The dots make an umbrella. Next: row 1: peacock; row 2: feather; row 3: peacock. Lines: umbrella to its picture, sun to its picture, owl to its picture.

MISSION 24
Level 2 · Geography

The River's Journey

Explorer: _____

We crossed a big river on a bridge. The water was rushing away fast! Where is it going?

1 Point and guess! Where does most river water end up?

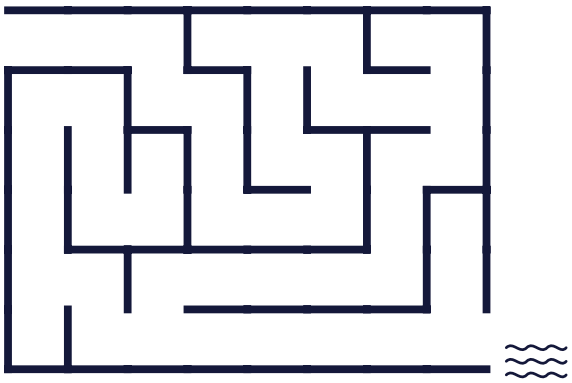
A in the clouds

B in our house

C in the sea

2 Help the river flow to the sea

Start



3 Put it in order! Draw a line from each picture to 1, 2, 3 or 4

river

cloud

sea

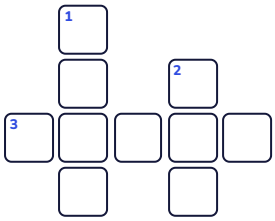
rain

1 2 3 4

Use your hands! Tilt a tray. Pour a little water at the top. Trace the river with your finger.

Real-life mission: With a grown-up, pour a cup of water at the top of a slope of sand or soil. Watch which way it flows. Tell Pip!

4 Crossword! Write one letter in each box. The pictures help.



1 Down Water from clouds (4 letters)

2 Down Where rivers end (3 letters)

3 Across Flowing water (5 letters)

Mission done!

Quiz: C, in the sea. Rivers start as rain and springs high in the hills. The water flows downhill, joins other streams and reaches the sea. Order: cloud then rain then river then sea. Crossword: 1 Down rain, 2 Down sea, 3 Across river.

MISSION 25
Level 2 · Geography

The Thirsty Desert

Explorer: _____



In a desert there is sand everywhere and hardly any water. How do plants live there?

1 Point and guess! How does a cactus survive in the desert?



A it uses an umbrella

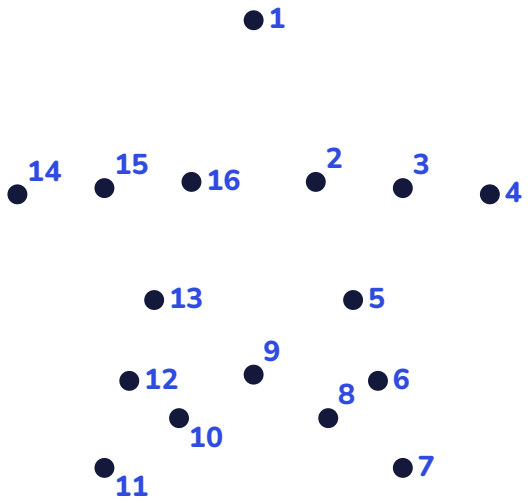


B it swims away



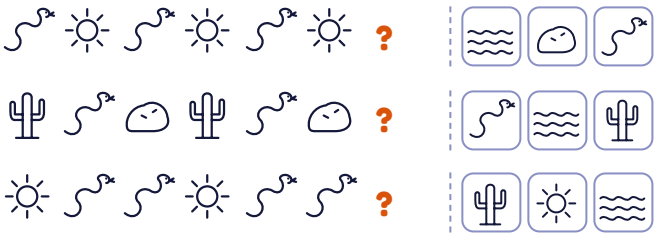
C it stores water inside

2 Join the dots from 1 to 16



What did you make? Colour it in!

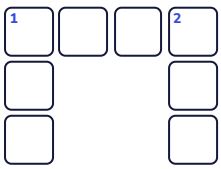
3 What comes next? Circle it on the right



Use your hands! Pour a spoon of water on sand, then on a plate. Where does it disappear?

Real-life mission: With a grown-up, gently press a thick leaf of a plant like aloe vera. Does it feel full of water? Tell Pip!

4 Crossword! Write one letter in each box. The pictures help.



1 Across The desert ground (4 letters)



1 Down It shines hot (3 letters)

2 Down Not wet (3 letters)

Mission done!

Quiz: C, it stores water inside. A cactus stores water in its thick, fat stem. Its spines stop thirsty animals from eating it. The dots make a star.
Next: row 1: snake; row 2: cactus; row 3: sun. Crossword: 1 Across sand, 1 Down sun, 2 Down dry.

MISSION 26
Level 2 · Everyday Science

The Vanishing Salt

Explorer: _____



Amma stirred salt into the water and it disappeared! Did the salt go away?

1 Point and guess! Where does salt go when you stir it into water?



A into tiny bits too small to see

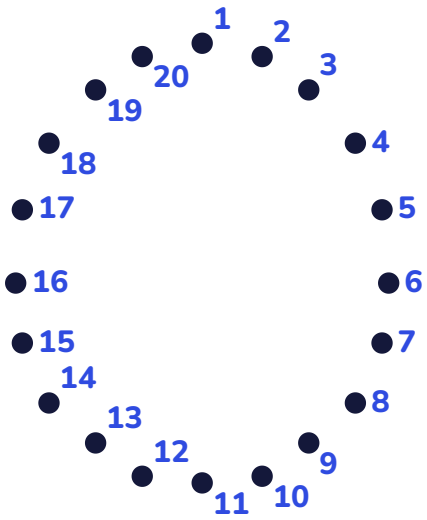


B up into the sky



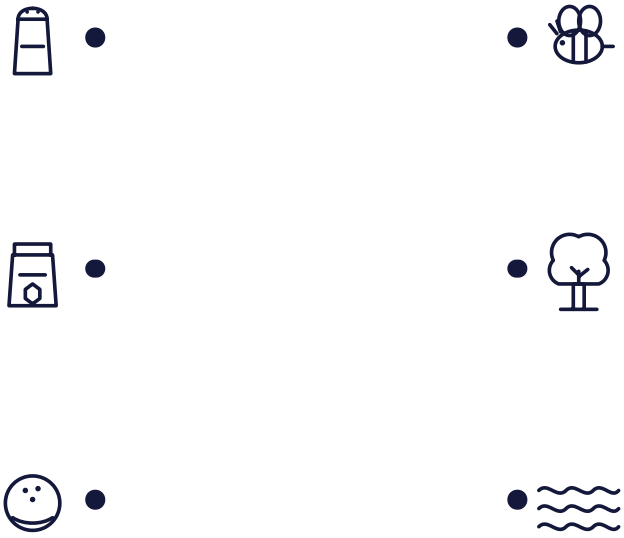
C it turns into a stone

2 Join the dots from 1 to 20



What did you make? Colour it in!

3 Draw a line to match! Where does each one come from?



Use your hands! Sprinkle salt on a plate. Dab it with a wet finger. What happens to the grains?

Real-life mission: With a grown-up, stir a spoon of salt into a glass of water. Can you see it? Taste one drop. Tell Pip!

4 Word match! Draw a line from each word to its picture.

cloud

sock

sea waves



Mission done!

Quiz: A, into tiny bits too small to see. Salt breaks into pieces too tiny to see and spreads all through the water. It is still there: the water tastes salty! The dots make an egg. Lines: salt to sea waves, honey to bee, coconut to tree. Lines: cloud to its picture, sock to its picture, sea waves to its picture.

MISSION 27
Level 2 · Earth & Weather

Cloud Factory

Explorer: _____



Clouds look soft like cotton. If I could touch one, what would it feel like?

1 Point and guess! What are clouds made of?



A candy floss



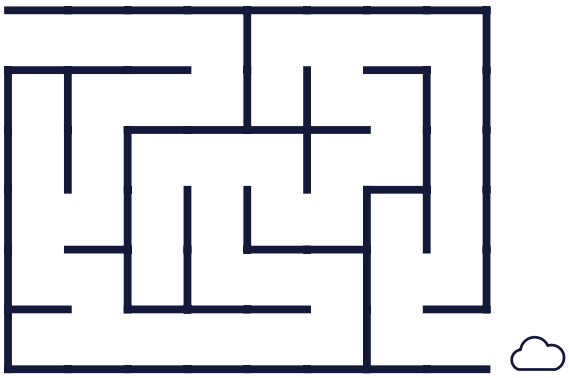
B smoke



C tiny drops of water

2 Help Pip fly up to the cloud

Start



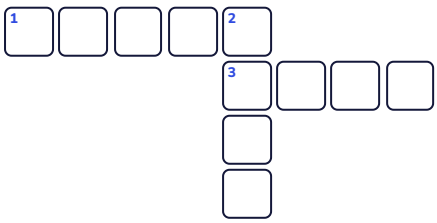
3 What comes next? Circle it on the right



Use your hands! Pull cotton wool apart into a fluffy cloud. Glue it on blue paper.

Real-life mission: Breathe slowly onto a cold mirror or window. See the mist? That is a tiny cloud! Tell Pip!

4 Crossword! Write one letter in each box. The pictures help.





1 Across White and fluffy in the sky (5 letters)

2 Down A tiny bit of water (4 letters)



3 Across Water from clouds (4 letters)

Mission done!

Quiz: C, tiny drops of water. Clouds are made of millions of tiny water drops, or bits of ice, floating in the air. Touching one would feel like cool mist. Next: row 1: sun; row 2: cloud; row 3: snowflake. Crossword: 1 Across cloud, 2 Down drop, 3 Across rain.

MISSION 28
Level 2 · Living World

The Biggest Animal

Explorer: _____



Which animal is the biggest in the whole world? Is it the elephant? Is it a dinosaur?

1 Point and guess! Which is the biggest animal alive today?



A the elephant



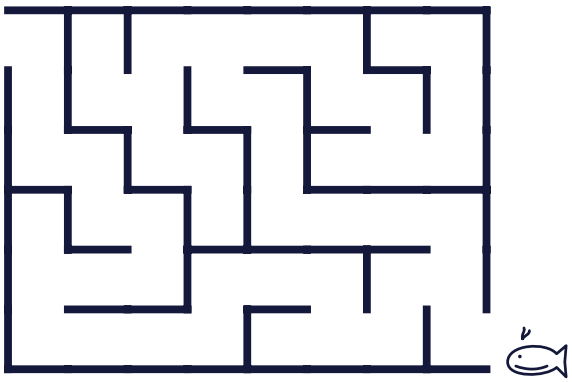
B the blue whale



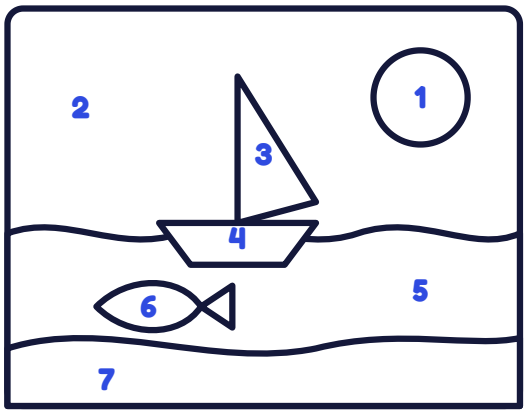
C the giraffe

2 Help Pip swim to the whale

Start



3 Colour by number

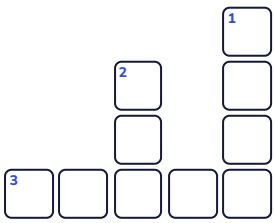


1 yellow **2** light blue **3** white **4** brown **5** dark blue
6 orange **7** yellow

Use your hands! Stretch your arms as wide as a whale. Lay a string along your arms. How many strings is a whale?

Real-life mission: Ask a grown-up to take 30 big steps in a line. A blue whale is about that long! Tell Pip!

4 Crossword! Write one letter in each box. The pictures help.



1 Down Very, very big (4 letters)



2 Down Very big salty water (3 letters)



3 Across The biggest animal (5 letters)

Mission done!

Quiz: B, the blue whale. The blue whale is the biggest animal that has ever lived. It is about as long as two buses and lives in the sea.
Crossword: 1 Down huge, 2 Down sea, 3 Across whale.

MISSION 29
Level 2 · My Body

Goosebumps!

Explorer: _____



When I came out of the cold pool, my arms got tiny bumps all over! What are they?

1 Point and guess! When do you get goosebumps?



A when you feel cold

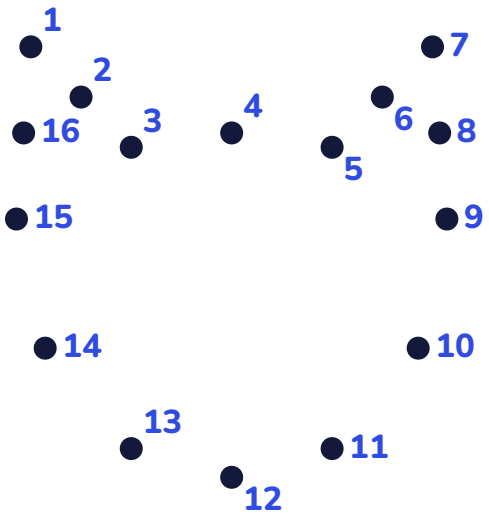


B only when you are asleep



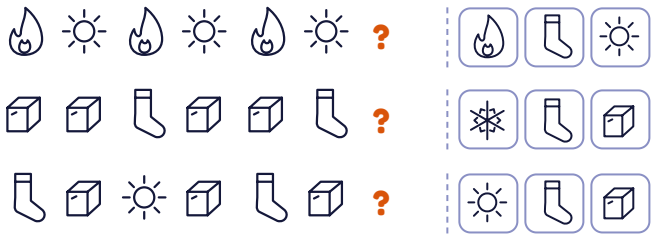
C when you eat sweets

2 Join the dots from 1 to 16



What did you make? Colour it in!

3 What comes next? Circle it on the right



Use your hands! Rub your arms to warm up. Look closely at the tiny hairs. What do they do when you shiver?

Real-life mission: With a grown-up, hold an ice cube in a cloth against your arm for a moment. Do goosebumps appear? Tell Pip!

4 Word match! Draw a line from each word to its picture.

snowflake ●

bed ●

sweet ●

● 

● 

● 

Mission done!

Quiz: A, when you feel cold. When you are cold, tiny muscles pull your hairs up and make little bumps. Furry animals do the same to trap warm air. The dots make a cat's face. Next: row 1: fire; row 2: ice cube; row 3: sun. Lines: snowflake to its picture, bed to its picture, sweet to its picture.

MISSION 30
Level 2 · Diwali

The Kolam Riddle

Explorer: _____



Paati drew a kolam at our door. Both sides look the same! How?

1 Point and guess! What is a kolam or rangoli drawn with?



A water

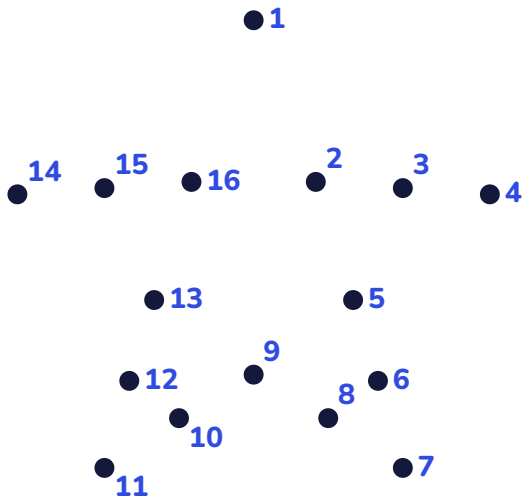


B rice flour or coloured powder



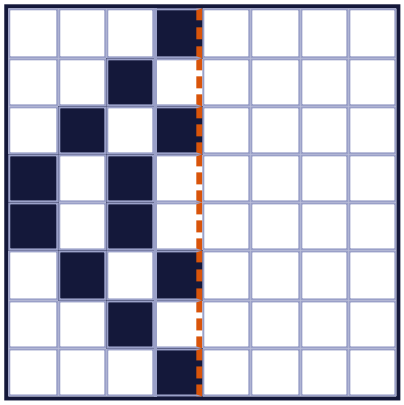
C leaves

2 Join the dots from 1 to 16



What did you make? Colour it in!

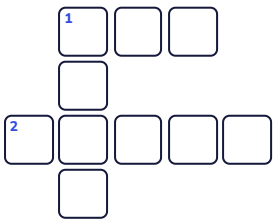
3 Mirror magic! Colour the right side to match the left



Use your hands! Make a kolam with your fingertip in a tray of rice flour, sand or salt. Dots first, then loops.

Real-life mission: Fold a paper in half, draw half a shape along the fold, and cut it out with a grown-up. Open it. Do both sides match? Tell Pip!

4 Crossword! Write one letter in each box. The pictures help.



1 Across A tiny spot (3 letters)



1 Down You open it to go in (4 letters)



2 Across Paati draws it with rice flour (5 letters)

Mission done!

Quiz: B, rice flour or coloured powder. Kolams and rangolis are drawn with rice flour or coloured powder. When both halves match, it is called symmetry. The dots make a star. Crossword: 1 Across dot, 1 Down door, 2 Across kolam.

MISSION 31
Level 2 · Everyday Science

Round Bubbles

Explorer: _____



I blew bubbles with a heart-shaped wand, but the bubbles came out round! Why not heart-shaped?

1 Point and guess! What shape is a floating bubble?



A round



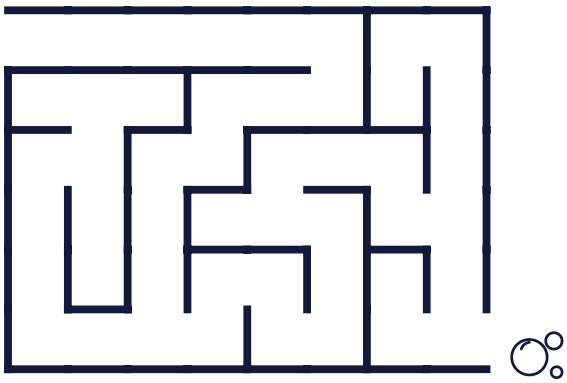
B square



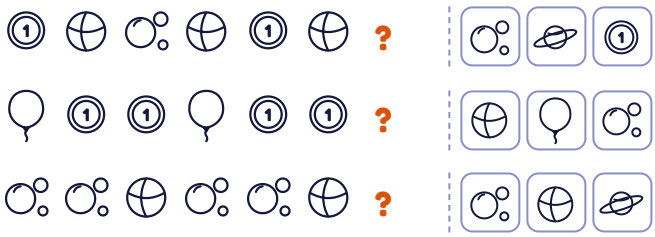
C star-shaped

2 Help Pip catch the bubble

Start



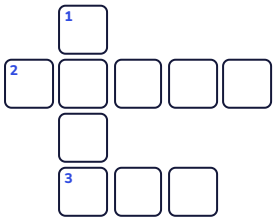
3 What comes next? Circle it on the right



Use your hands! Dip a ring made of finger and thumb into soapy water. Blow one big bubble.

Real-life mission: Blow bubbles with a grown-up. Bend the wand into a different shape. Are the bubbles still round? Tell Pip!

4 Crossword! Write one letter in each box. The pictures help.



1 Down You make bubbles with it (4 letters)



2 Across Shaped like a ball (5 letters)

3 Across The sound a bubble makes when it bursts (3 letters)

Mission done!

Quiz: A, round. A bubble's thin skin pulls in equally on every side. A round shape is the tightest it can make. Next: row 1: bubble; row 2: balloon; row 3: bubble. Crossword: 1 Down soap, 2 Across round, 3 Across pop.

MISSION 32
Level 2 · Insects

Spotty Ladybird

Explorer: _____

A tiny red beetle with black spots landed on my hand! Why does a ladybird wear spots?

1 Point and guess! What do a ladybird's bright colours tell birds?



A it is my birthday



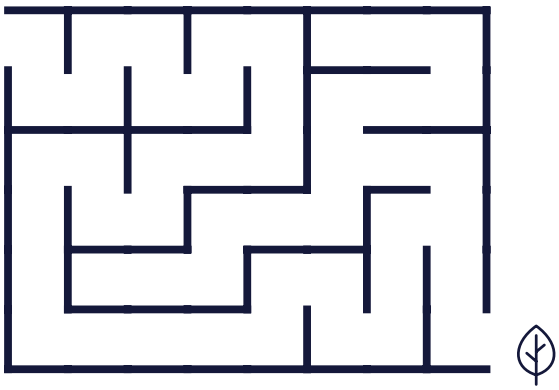
B I am a star



C I taste bad, do not eat me

2 Help the ladybird get to the leaf

Start



3 Put it in order! Draw a line from each picture to 1, 2, 3 or 4



pupa ●



larva ●



egg ●



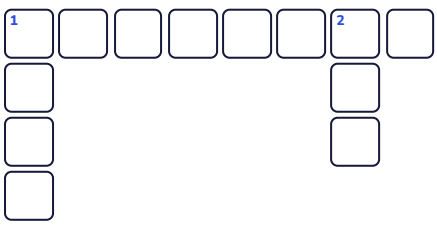
ladybird ●

1 ● 2 ● 3 ● 4 ●

Use your hands! Dip a fingertip in red paint. Press a ladybird body. Add black fingerprint spots.

Real-life mission: Look for ladybirds on plants with a grown-up. Let one walk gently on your finger, then put it back on a leaf. Tell Pip!

4 Crossword! Write one letter in each box. The pictures help.





1 Across A beetle with spots (8 letters)



1 Down Ladybirds walk on it (4 letters)

2 Down The colour of a ladybird (3 letters)

Mission done!

Quiz: C, I taste bad, do not eat me. A ladybird's bright colours warn birds that it tastes bad. Gardeners love ladybirds because they eat tiny plant pests. Order: egg then larva then pupa then ladybird. Crossword: 1 Across ladybird, 1 Down leaf, 2 Down red.

MISSION 33
Level 2 · Earth & Weather

High-Flying Kite

Explorer: _____



My kite went so high it looked like a tiny bird! What holds a kite up in the sky?

1 Point and guess! What lifts a kite into the sky?



A the wind pushing on it

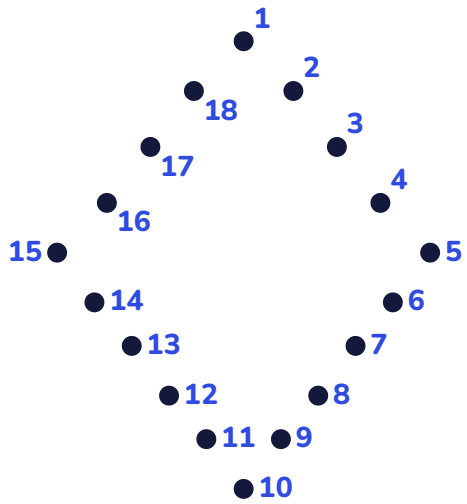


B a tiny rocket



C birds carry it

2 Join the dots from 1 to 18



What did you make? Colour it in!

3 What comes next? Circle it on the right



Use your hands! Tie a string to a paper kite. Run with it and see if it flies behind you.

Real-life mission: On a windy day, hold a sheet of paper flat in front of you and let go. Does the wind lift it? Tell Pip!

4 Word match! Draw a line from each word to its picture.

wind

rocket

bird



Mission done!

Quiz: A, the wind pushing on it. Wind pushes against the kite's flat face and lifts it. The string holds it at a slant so the wind keeps pushing it up.
The dots make a kite. Next: row 1: cloud; row 2: balloon; row 3: sun. Lines: wind to its picture, rocket to its picture, bird to its picture.

MISSION 34
Level 2 · My Body

Achoo!

Explorer: _____



A little pepper went near my nose and ACHOO! I sneezed so hard! Why do we sneeze?

1 Point and guess! What does a sneeze do?



A blows dust out of your nose



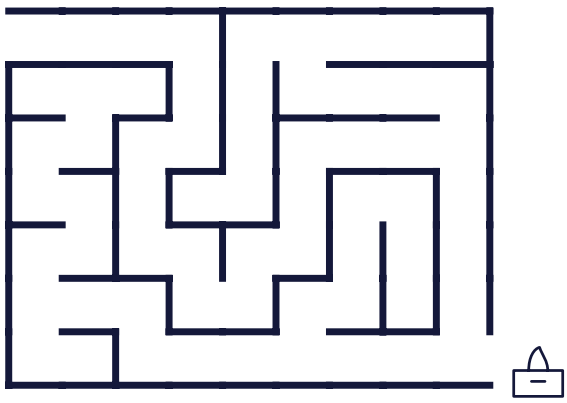
B warms your nose



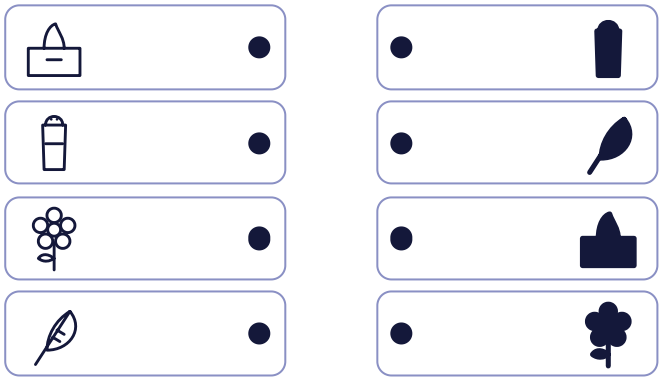
C makes you taller

2 Help Pip get to the tissue

Start



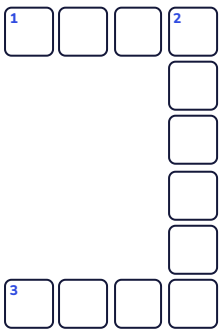
3 Draw a line from each picture to its shadow



Use your hands! Hold a tissue in front of your mouth and say a soft 'achoo'. Watch how it moves.

Real-life mission: Practise sneezing into your elbow, like a vampire! Show a grown-up. Tell Pip!

4 Crossword! Write one letter in each box. The pictures help.





1 Across Tiny dirt in the air (4 letters)

2 Down Sneeze into it (6 letters)

3 Across You smell with it (4 letters)

Mission done!

Quiz: A, blows dust out of your nose. A sneeze is your body blowing dust, pepper or germs out of your nose. Always sneeze into a tissue or your elbow. Crossword: 1 Across dust, 2 Down tissue, 3 Across nose.

MISSION 35
Level 2 · Insects

Tiny Lanterns

Explorer: _____



On a dark night at Paati's village, tiny lights blinked in the bushes! Are they little stars?

1 Point and guess! Why do fireflies glow?



A to signal to other fireflies

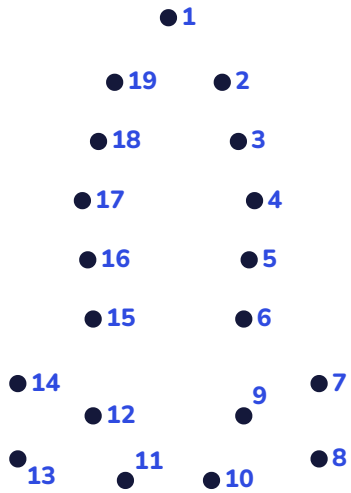


B they swallowed sunshine



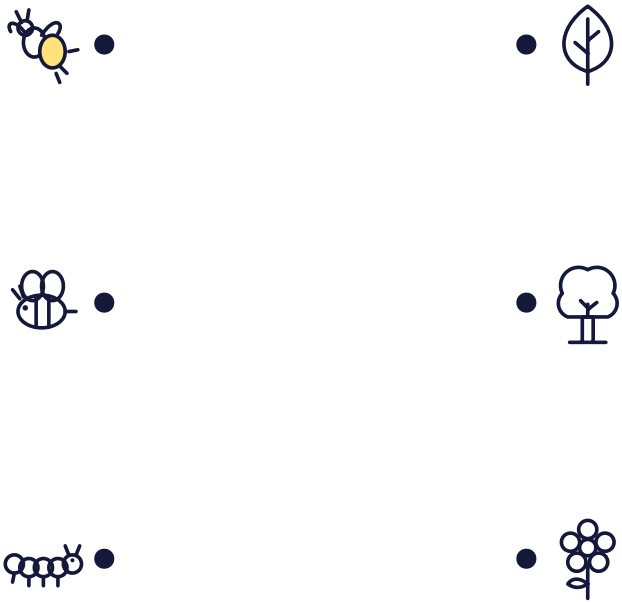
C they carry tiny torches

2 Join the dots from 1 to 19



What did you make? Colour it in!

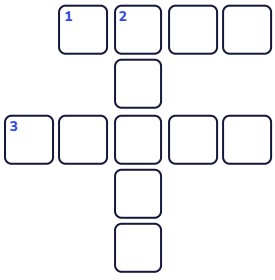
3 Draw a line to match! Where does each insect go?



Use your hands! Cup a torch in your hands in a dark room. What colour do your fingers glow?

Real-life mission: On a dark evening, look near bushes and trees with a grown-up. Can you spot a blinking firefly? Does it blink fast or slow? Tell Pip!

4 Crossword! Write one letter in each box. The pictures help.





1 Across Fireflies do this at night (4 letters)

2 Down It helps you see in the dark (5 letters)



3 Across When fireflies shine (5 letters)

Mission done!

Quiz: A, to signal to other fireflies. Fireflies make light in their tails to signal to other fireflies. Their light gives off almost no heat. The dots make a rocket. Lines: firefly to tree, bee to flower, caterpillar to leaf. Crossword: 1 Across glow, 2 Down light, 3 Across night.

MISSION 36
Level 2 · Insects

The Itchy Bite

Explorer: _____



A mosquito bit me and now I have an itchy red bump! Why do mosquitoes bite?

1 Point and guess! Which mosquitoes bite?



A only mother mosquitoes

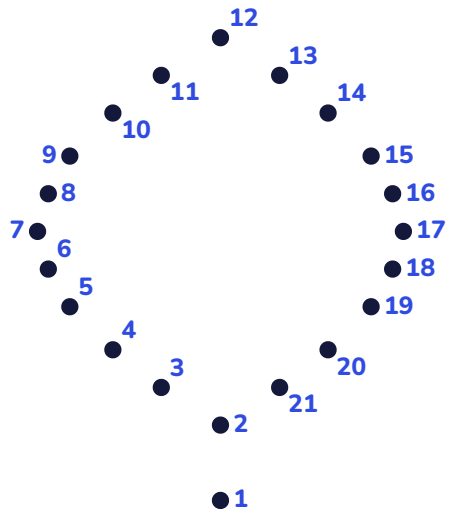


B only baby mosquitoes



C only the ones on flowers

2 Join the dots from 1 to 21



What did you make? Colour it in!

3 What comes next? Circle it on the right



Use your hands! Cool a wet cloth in your hands. Press it on your arm. How does cold feel?

Real-life mission: With a grown-up, look for still water in pots, tyres or buckets near your home, and tip it out. Mosquitoes lay eggs in still water. Tell Pip!

4 Word match! Draw a line from each word to its picture.

egg

flower

bee



Mission done!

Quiz: A, only mother mosquitoes. Only female mosquitoes bite. They need a little blood to make their eggs. Male mosquitoes drink nectar from flowers. The dots make a leaf. Next: row 1: mosquito; row 2: ladybird; row 3: mosquito. Lines: egg to its picture, flower to its picture, bee to its picture.

MISSION 37
Level 3 · Living World

The Snake's Old Coat

Explorer: _____



At the park we found an empty, see-through snake skin! Did the snake take off its coat?

1 Point and guess! Why does a snake shed its skin?



A it is too hot

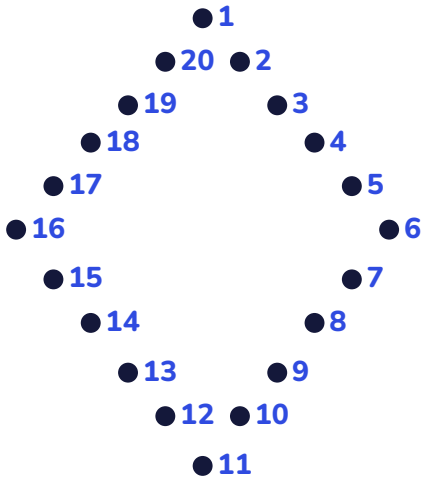


B it wants a new colour



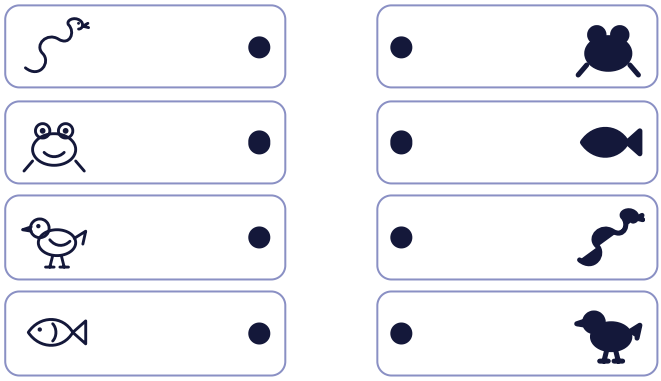
C it grows and the skin gets tight

2 Join the dots from 1 to 20



What did you make? Colour it in!

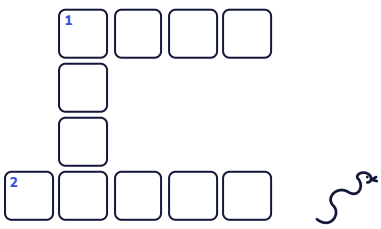
3 Draw a line from each picture to its shadow



Use your hands! Wiggle a scarf along the floor like a snake. Then slide it off your arm like an old skin.

Real-life mission: Find a T-shirt that is too small for you now. Why does it not fit? Tell Pip!

4 Crossword! Write one letter in each box. The pictures help.



1 Across Take off old skin (4 letters)

1 Down It covers your body (4 letters)

2 Across It slithers (5 letters)

Mission done!

Quiz: C, it grows and the skin gets tight. A snake keeps growing, but its skin does not stretch. So it wriggles out of the old skin, with a new one underneath. The dots make a kite. Crossword: 1 Across shed, 1 Down skin, 2 Across snake.

MISSION 38
Level 3 · Living World

The Spider's Thread

Explorer: _____

There is a beautiful web in the corner of our window. Where does a spider get its thread?

1 Point and guess! Where does a spider's silk come from?



A from inside its own body



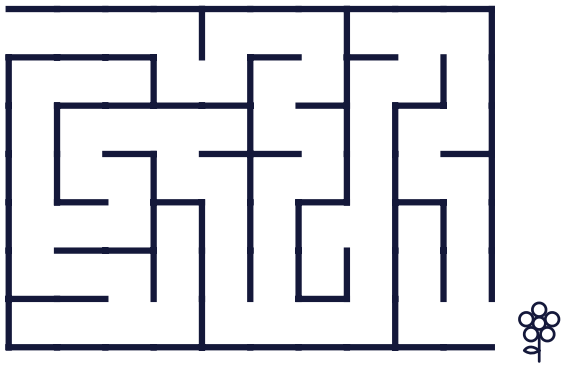
B from flowers



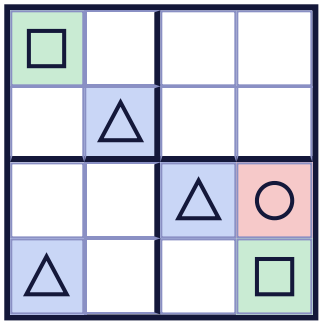
C from clouds

2 Help the bee get to the flower

Start



3 Colour sudoku! Each row, column and small square needs all 4 colours.

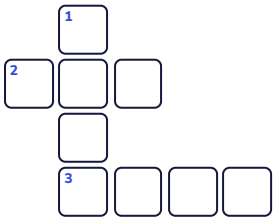


○ red
△ blue
☆ yellow
□ green

Use your hands! Wind wool around the legs of a chair to spin a spider web. Can a toy get through?

Real-life mission: Find a spider web with a grown-up. Look closely, but do not touch. Is it round or messy? Tell Pip!

4 Crossword! Write one letter in each box. The pictures help.





1 Down A spider has eight (4 letters)



2 Across A spider builds this (3 letters)

3 Across Spider thread (4 letters)

Mission done!

Quiz: A, from inside its own body. Spiders make silk inside their bodies and spin it into webs to catch insects. Sudoku rows: green, yellow, red, blue / red, blue, green, yellow / yellow, green, blue, red / blue, red, yellow, green. Crossword: 1 Down legs, 2 Across web, 3 Across silk.

MISSION 39
Level 3 · Living World

The Tallest Neck

Explorer: _____



At the zoo, a giraffe ate leaves from the very top of a tree! Why do giraffes have such long necks?

1 Point and guess! How does a long neck help a giraffe?



A it can catch fish

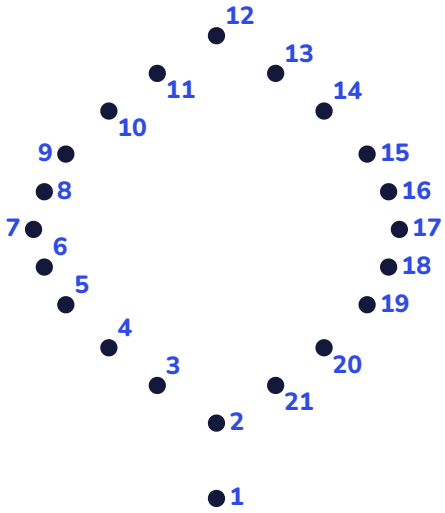


B it reaches leaves high up



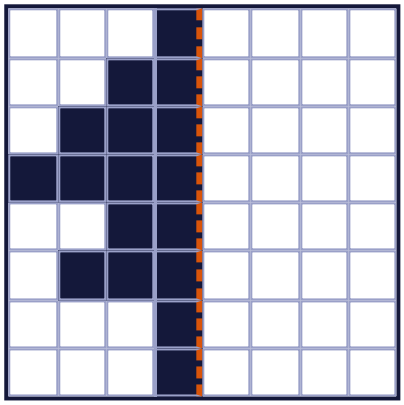
C it can play football

2 Join the dots from 1 to 21



What did you make? Colour it in!

3 Mirror magic! Colour the right side to match the left



Use your hands! Stack cups or blocks as high as you can. Measure your tower in hand spans.

Real-life mission: Stand next to a door and ask a grown-up to mark how tall you are. Now reach up as high as you can. How much higher? Tell Pip!

4 Word match! Draw a line from each word to its picture.

fish

leaf

ball







Mission done!

Quiz: B, it reaches leaves high up. A long neck lets a giraffe reach leaves high in the trees that other animals cannot reach. The dots make a leaf.
Lines: fish to its picture, leaf to its picture, ball to its picture.

MISSION 40
Level 3 · Earth & Weather

Cold Mountain Tops

Explorer: _____

Mountain tops are closer to the sun, but they have snow on them! Why is it so cold up there?

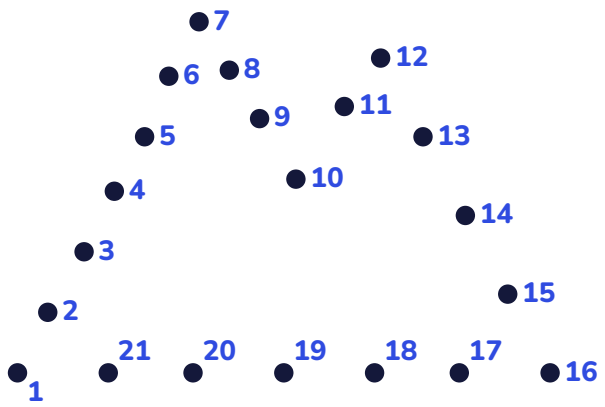
1 Point and guess! Where is it colder?

A in a house in the town

B high up on a mountain

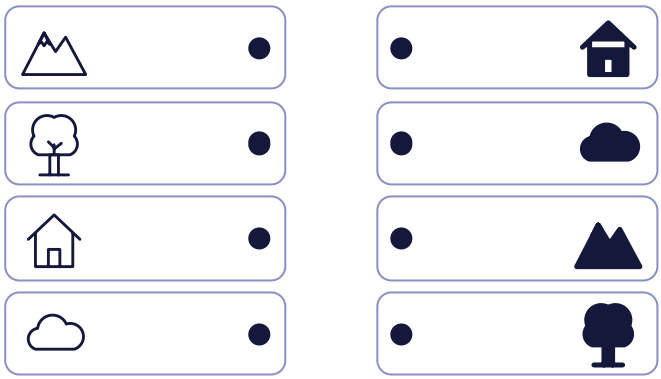
C on a sunny beach

2 Join the dots from 1 to 21



What did you make? Colour it in!

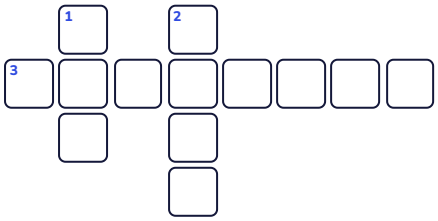
3 Draw a line from each picture to its shadow



Use your hands! Pass an ice cube from hand to hand until it melts. How long does it take?

Real-life mission: With a grown-up, next time you go up a hill or a tall building, notice: does the wind feel cooler at the top? Tell Pip!

4 Crossword! Write one letter in each box. The pictures help.



1 Down The highest part (3 letters)

2 Down Cold white flakes (4 letters)

3 Across A very high hill (8 letters)

Mission done!

Quiz: B, high up on a mountain. The higher you go, the thinner the air is, and thin air cannot hold much warmth. So mountain tops are cold. The dots make a mountain. Crossword: 1 Down top, 2 Down snow, 3 Across mountain.

MISSION 41
Level 3 · Living World

Night Hunter

Explorer: _____



Hoo hoo! I am an owl. I wake when you sleep. How do I find food in the dark?

1 Point and guess! What helps an owl hunt at night?



A it carries a torch



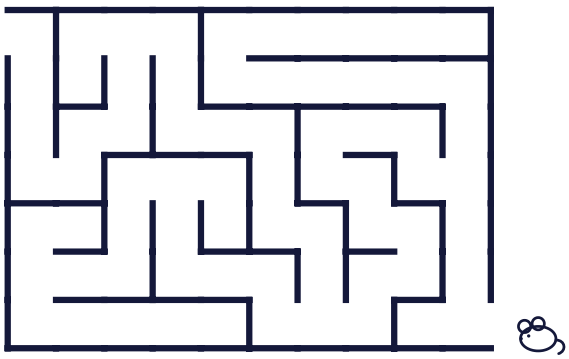
B it drives slowly



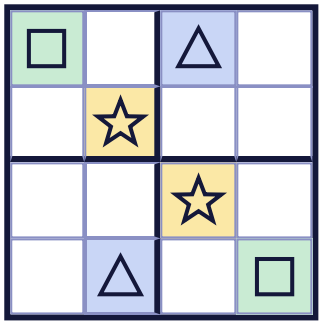
C big eyes and sharp ears

2 Help the owl find its supper

Start



3 Colour sudoku! Each row, column and small square needs all 4 colours.

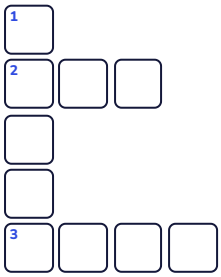


○ red
△ blue
☆ yellow
□ green

Use your hands! Cup both hands behind your ears like an owl. Does the room sound louder?

Real-life mission: Sit in a dark room for one minute with a grown-up. Can your eyes start to see more? Tell Pip!

4 Crossword! Write one letter in each box. The pictures help.





1 Down An owl's supper (5 letters)



2 Across Pip is one! (3 letters)

3 Across Owls have very big ones (4 letters)

Mission done!

Quiz: C, big eyes and sharp ears. Owls have huge eyes that see in dim light and ears so sharp they can hear a mouse moving in the grass. Sudoku rows: green, red, blue, yellow / blue, yellow, green, red / red, green, yellow, blue / yellow, blue, red, green. Crossword: 1 Down mouse, 2 Across owl, 3 Across eyes.

MISSION 42
Level 3 · Living World

Fantastic Feathers

Explorer: _____



Birds have feathers but cats have fur and fish have scales. What are feathers for?

1 Point and guess! What do feathers help a bird do?



A fly and keep warm

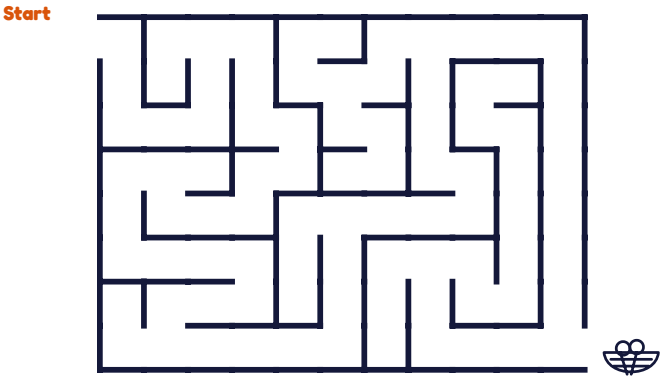


B sing louder

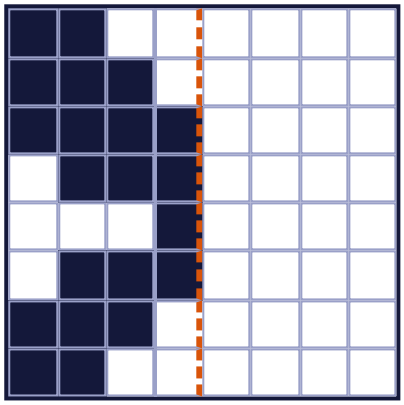


C drink water

2 Help the bird get back to its nest



3 Mirror magic! Colour the right side to match the left



Use your hands! Stroke a feather across your palm and then your cheek. Is it soft or tickly?

Real-life mission: Hold a feather and gently blow on it. Then drop it. How does it fall? Tell Pip!

4 Word match! Draw a line from each word to its picture.

bird ●

drum ●

water ●

● 

● 

● 

Mission done!

Quiz: A, fly and keep warm. Feathers are light and strong for flying, and soft feathers trap warm air close to the bird's body. Lines: bird to its picture, drum to its picture, water to its picture.

MISSION 43
Level 3 · Sky & Space

The Blazing Sun

Explorer: _____



The sun is so far away, but its light still makes my skin warm. Why is the sun so hot?

1 Point and guess! What is the sun?



A a giant campfire



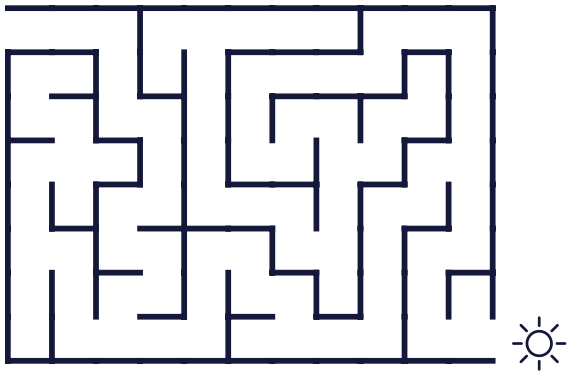
B a huge ball of very hot gas



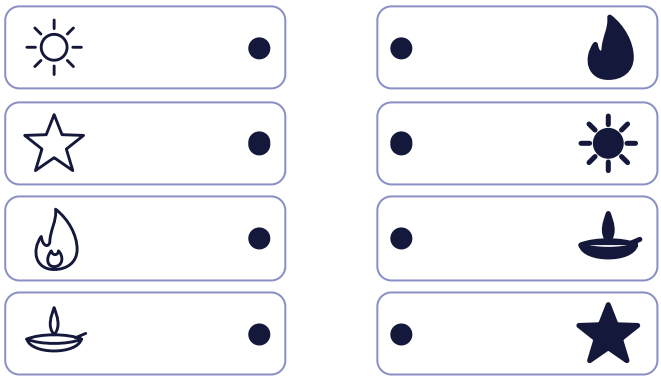
C a big lamp post

2 Help Pip get to the sunny spot

Start



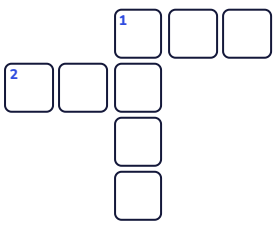
3 Draw a line from each picture to its shadow



Use your hands! Hold one palm in sunlight and one in shade. Which hand feels warmer?

Real-life mission: Never look straight at the sun. Touch a wall in the sun and a wall in the shade. Which is warmer? Tell Pip!

4 Crossword! Write one letter in each box. The pictures help.





1 Across It shines bright in the day (3 letters)



1 Down It twinkles at night (4 letters)



2 Across Not cold (3 letters)

Mission done!

Quiz: B, a huge ball of very hot gas. The sun is a star: a huge ball of very hot gas. It is so big that about a million Earths could fit inside it.
Crossword: 1 Across sun, 1 Down star, 2 Across hot.

MISSION 44
Level 3 · My Body

Bones Inside

Explorer: _____



When I press my arm, I can feel something hard inside. What are these hard bits?

1 Point and guess! What do your bones do?



A they make music

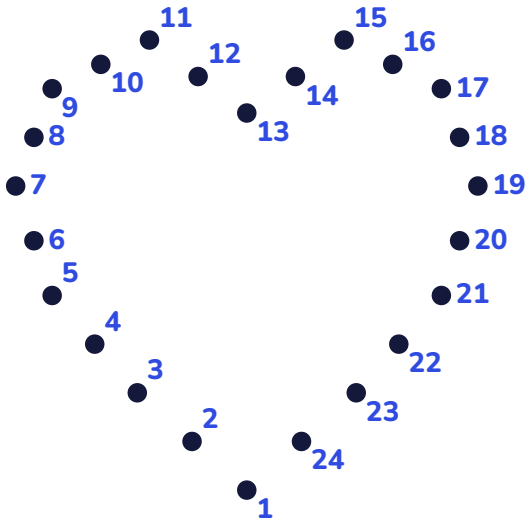


B they hold your body up



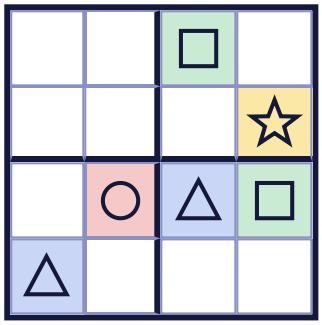
C they help you float

2 Join the dots from 1 to 24



What did you make? Colour it in!

3 Colour sudoku! Each row, column and small square needs all 4 colours.



○ red
△ blue
☆ yellow
□ green

Use your hands! Find your knuckles, elbow and ribs with your fingers. How many bones can you feel?

Real-life mission: Gently feel your elbow, your knee and the top of your head. Can you feel the hard bones? Tell Pip!

4 Word match! Draw a line from each word to its picture.

bell ●

cloud ●

elephant ●

● 

● 

● 

Mission done!

Quiz: B, they hold your body up. Bones hold your body up and protect soft parts like your brain and heart. You have more than 200 of them! The dots make a heart. Sudoku rows: red, yellow, green, blue / green, blue, red, yellow / yellow, red, blue, green / blue, green, yellow, red. Lines: bell to its picture, cloud to its picture, elephant to its picture.

MISSION 45
Level 3 · Earth & Weather

The Vanishing Puddle

Explorer: _____

After the rain there was a big puddle. By evening it was gone! Where did the water go?

1 Point and guess! Where does puddle water go on a sunny day?



A ants drink it all



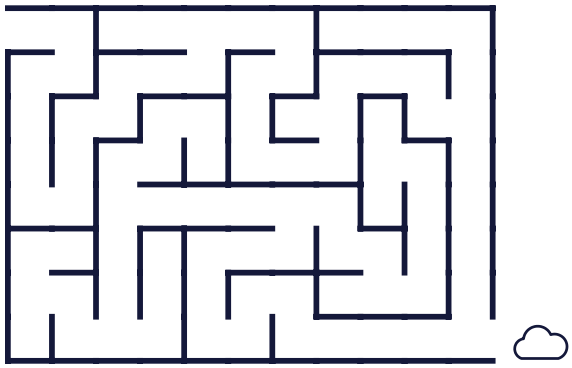
B into the rocks



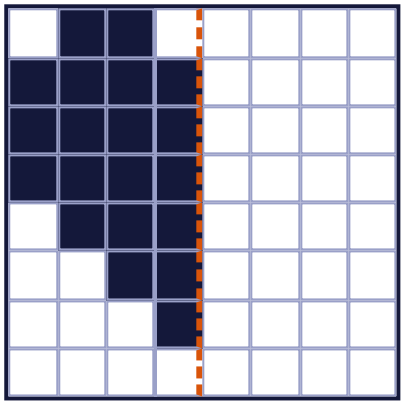
C up into the air

2 Help the raindrop get back to the cloud

Start



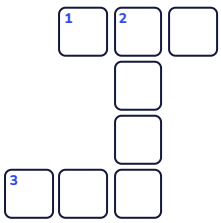
3 Mirror magic! Colour the right side to match the left



Use your hands! Paint a patch of water on dry paper or a board with a brush. Watch it vanish.

Real-life mission: With chalk, draw around a puddle. Check again after an hour. Is it smaller? Tell Pip!

4 Crossword! Write one letter in each box. The pictures help.



1 Across Not wet (3 letters)



2 Down Water from clouds (4 letters)



3 Across It dries puddles (3 letters)

Mission done!

Quiz: C, up into the air. The sun warms the water into tiny bits too small to see, and they float up into the air. This is called evaporation.
Crossword: 1 Across dry, 2 Down rain, 3 Across sun.

MISSION 46
Level 3 · Everyday Science

The Seesaw Puzzle

Explorer: _____



Appa sat on one end of the seesaw and I went flying up! How can I make it balance?

1 Point and guess! Which side of a seesaw goes down?



A the lighter side

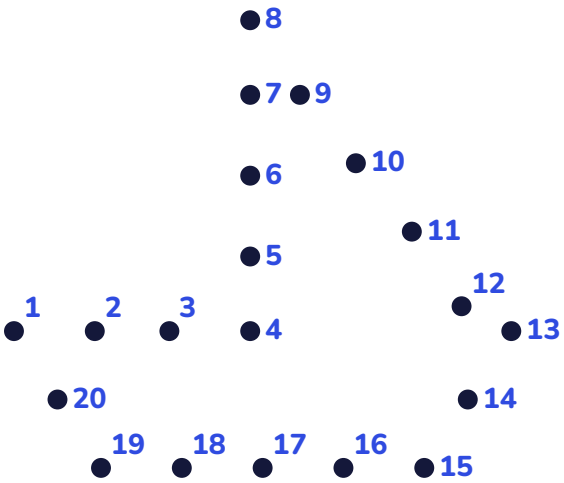


B the heavier side



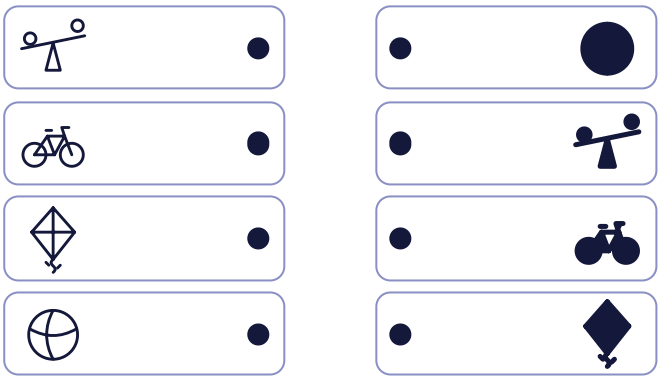
C the sunny side

2 Join the dots from 1 to 20



What did you make? Colour it in!

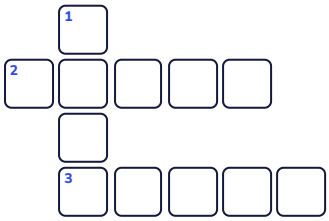
3 Draw a line from each picture to its shadow



Use your hands! Lay a ruler flat across one finger. Slide your finger until the ruler balances.

Real-life mission: Balance a ruler on a pencil. Put two coins on one end and one coin on the other. How can you make it balance? Tell Pip!

4 Crossword! Write one letter in each box. The pictures help.



1 Down Far up (4 letters)



2 Across Easy to lift (5 letters)



3 Across Hard to lift (5 letters)

Mission done!

Quiz: B, the heavier side. The heavier side goes down. To balance, the heavier person can sit closer to the middle. The dots make a boat.
Crossword: 1 Down high, 2 Across light, 3 Across heavy.

MISSION 47
Level 3 · Everyday Science

Bouncy Ball

Explorer: _____



I dropped my ball and it jumped right back up to my hand! How does a ball bounce?

1 Point and guess! Which one bounces best?



A a rubber ball

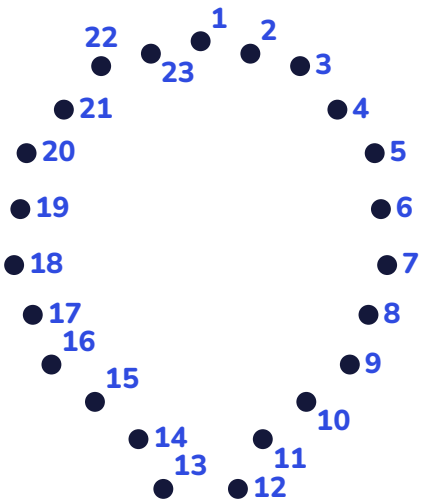


B an egg



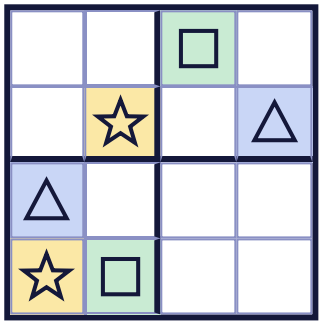
C a slice of bread

2 Join the dots from 1 to 23



What did you make? Colour it in!

3 Colour sudoku! Each row, column and small square needs all 4 colours.



○ red
△ blue
☆ yellow
□ green

Use your hands! Press a ball, a sponge and a stone with your thumb. Which one squishes? Which springs back?

Real-life mission: Drop a ball from your knee, then from your head. Which time does it bounce higher? Tell Pip!

4 Word match! Draw a line from each word to its picture.

ball ●

egg ●

bread ●

● 

● 

● 

Mission done!

Quiz: A, a rubber ball. When a rubber ball hits the ground it squashes a little, then springs back into shape and pushes itself up. The dots make a balloon. Sudoku rows: red, blue, green, yellow / green, yellow, red, blue / blue, red, yellow, green / yellow, green, blue, red. Lines: ball to its picture, egg to its picture, bread to its picture.

MISSION 48
Level 3 · Sky & Space

Rocket Launch

Explorer: _____



5, 4, 3, 2, 1... WHOOSH! The rocket shot up into the sky. What makes a rocket go up?

1 Point and guess! How does a rocket go up?



A it pushes hot gas down hard

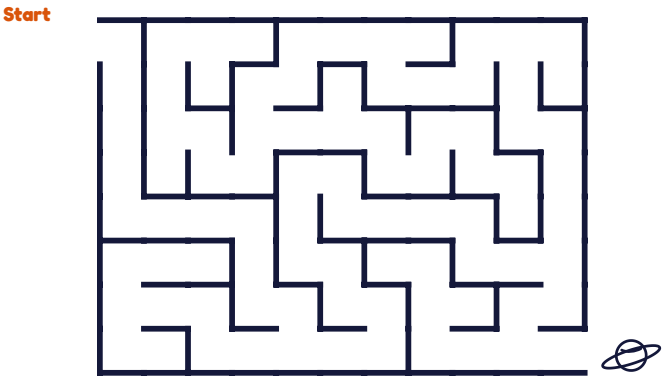


B it flaps its wings

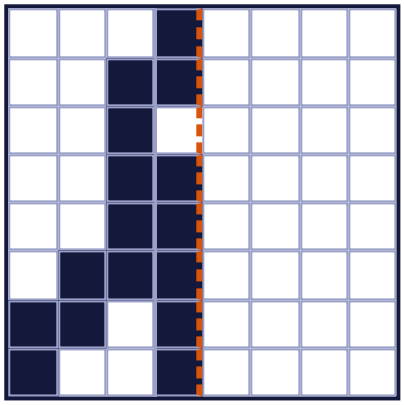


C the wind blows it

2 Help the rocket reach the planet



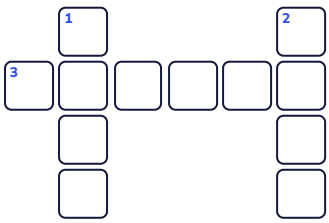
3 Mirror magic! Colour the right side to match the left



Use your hands! Roll a paper tube. Fold the top shut. Blow it off a straw like a rocket!

Real-life mission: With a grown-up, blow up a balloon and let it go without tying it. Which way does it zoom? Tell Pip!

4 Crossword! Write one letter in each box. The pictures help.





1 Down Astronauts have walked on it (4 letters)



2 Down It twinkles at night (4 letters)



3 Across It blasts into space (6 letters)

Mission done!

Quiz: A, it pushes hot gas down hard. A rocket pushes hot gas down very hard, and that pushes the rocket up. It is like a balloon zooming when you let it go. Crossword: 1 Down moon, 2 Down star, 3 Across rocket.

MISSION 49
Level 3 · Everyday Science

POP Goes the Balloon

Explorer: _____



My balloon touched a thorn and went POP! Why did it burst?

1 Point and guess! Why does a balloon pop on a thorn?



A it catches fire



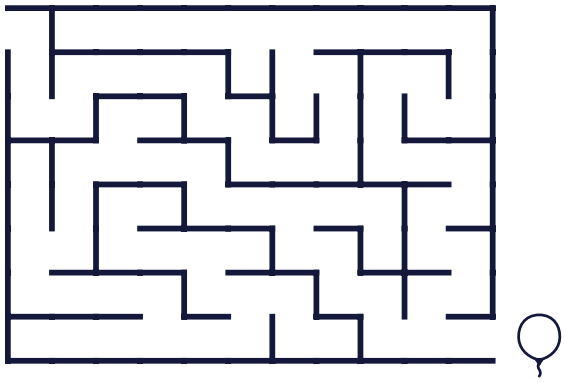
B it gets wet



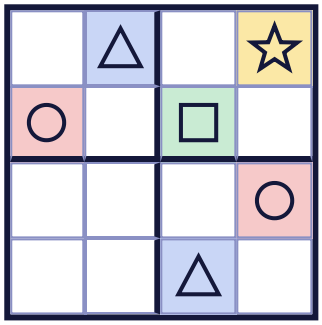
C the stretched rubber tears

2 Help Pip get to the balloon

Start



3 Colour sudoku! Each row, column and small square needs all 4 colours.

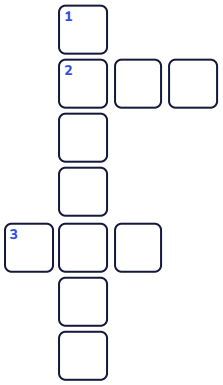


○ red
△ blue
☆ yellow
□ green

Use your hands! Rub a balloon on your hair and stick it to the wall. How long does it stay?

Real-life mission: Blow a balloon up a little, then a lot. Squeeze it gently each time. Which feels tighter? Tell Pip!

4 Crossword! Write one letter in each box. The pictures help.





1 Down You blow it up (7 letters)



2 Across You breathe it in (3 letters)

3 Across A tiny bang (3 letters)

Mission done!

Quiz: C, the stretched rubber tears. A blown-up balloon's rubber is stretched tight. A sharp point makes a tiny tear, and the air rushes out all at once. POP! Sudoku rows: green, blue, red, yellow / red, yellow, green, blue / blue, green, yellow, red / yellow, red, blue, green. Crossword: 1 Down balloon, 2 Across air, 3 Across pop.

MISSION 50
Level 3 · Everyday Science

The Magic Straw

Explorer: _____

I sipped my straw and the juice climbed up! How did it climb?

1 Point and guess! What pushes your drink up a straw?

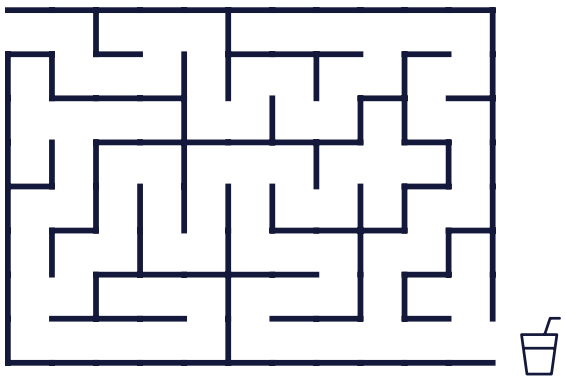
A a magnet

B a tiny fish

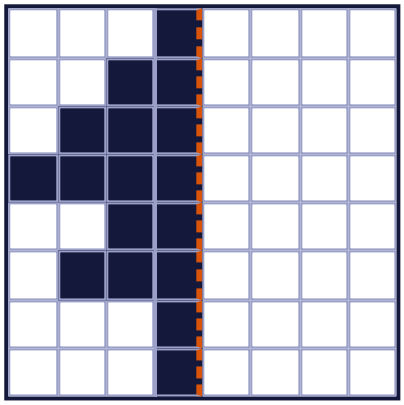
C the air all around us

2 Help the juice get up the straw

Start



3 Mirror magic! Colour the right side to match the left



Use your hands! Blow bubbles in a cup of water through a straw. Make them big, then small.

Real-life mission: Put a straw in water and press your finger over the top. Lift it out. Does the water stay in? Tell Pip!

4 Word match! Draw a line from each word to its picture.

fish ●

wind ●

water ●

● 

● 

● 

Mission done!

Quiz: C, the air all around us. When you suck, you take air out of the straw. The air outside presses down on the drink and pushes it up the straw.

Lines: fish to its picture, wind to its picture, water to its picture.

MISSION 51
Level 3 · Diwali

The Flame Puzzle

Explorer: _____



I looked at every diya on our street. All the flames point straight up! Why never down?

1 Point and guess! Which way does a flame always point?



A up



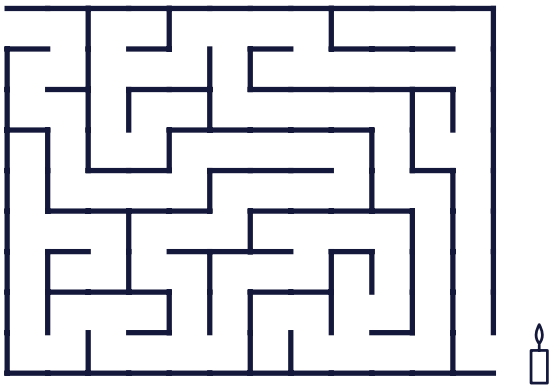
B down



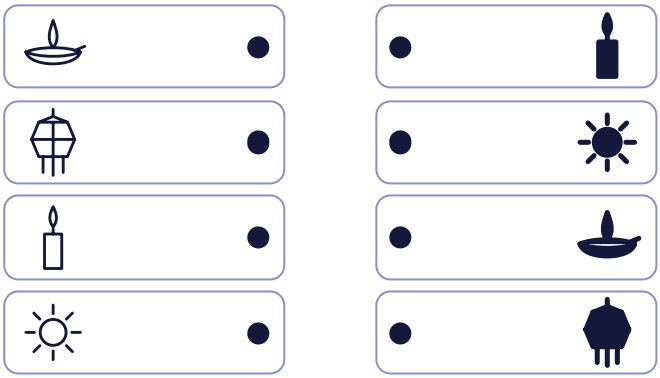
C sideways

2 Help Pip get to the candle

Start



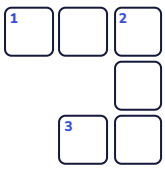
3 Draw a line from each picture to its shadow



Use your hands! Cut a flame from paper with safe scissors. Glue it on a paper diya.

Real-life mission: With a grown-up, look at a diya flame and a candle flame. Which way do both point? Tell Pip!

4 Crossword! Write one letter in each box. The pictures help.





1 Across The opposite of cold (3 letters)

2 Down The highest part (3 letters)



3 Across A flame always points this way (2 letters)

Mission done!

Quiz: A, up. Hot air is lighter than cool air, so it rises. The rising hot air lifts the flame upward. Crossword: 1 Across hot, 2 Down top, 3 Across up.

MISSION 52
Level 3 · Diwali

Sweet Sharing

Explorer: _____



We made ladoos and took a box to our neighbours! Why do we share sweets at Diwali?

1 Point and guess! Which Diwali sweet is round like a ball?



A ladoo

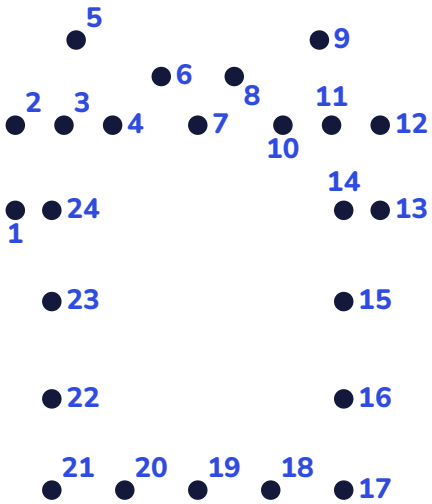


B jalebi



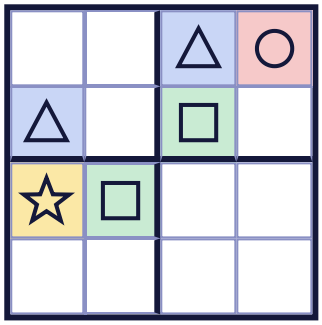
C barfi

2 Join the dots from 1 to 24



What did you make? Colour it in!

3 Colour sudoku! Each row, column and small square needs all 4 colours.

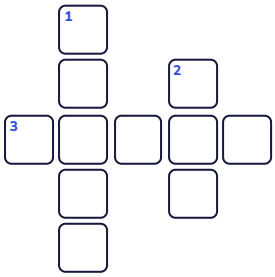


○ red
△ blue
☆ yellow
□ green

Use your hands! Roll 6 balls of play dough. Share them fairly onto 2 plates.

Real-life mission: Help pack a small box of sweets for a neighbour. Who did you share with? Tell Pip!

4 Crossword! Write one letter in each box. The pictures help.



1 Down Give some to a friend (5 letters)



2 Down You pack sweets in it (3 letters)



3 Across A round Diwali sweet (5 letters)

Mission done!

Quiz: A, ladoo. A ladoo is rolled into a ball. Sharing sweets with neighbours and friends is a Diwali tradition. The dots make a gift box. Sudoku rows: green, yellow, blue, red / blue, red, green, yellow / yellow, green, red, blue / red, blue, yellow, green. Crossword: 1 Down share, 2 Down box, 3 Across ladoo.

MISSION 53
Level 3 · Everyday Science

The Cool Fan

Explorer: _____



On a hot day, sitting under the fan feels so nice and cool. Does the fan make cold air?

1 Point and guess! How does a fan make you feel cooler?



A it blows ice



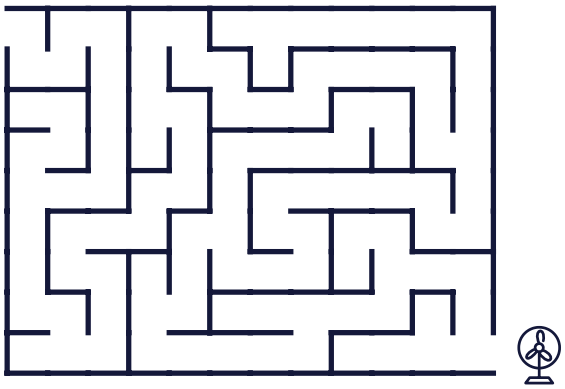
B it moves air over your skin



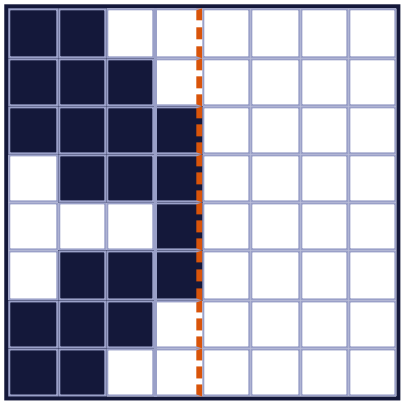
C it makes snow

2 Help Pip get to the cool fan

Start



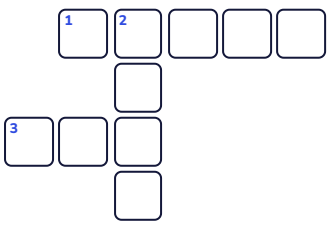
3 Mirror magic! Colour the right side to match the left



Use your hands! Wave your paper fan close to your cheek, then far away. Where do you feel the breeze most?

Real-life mission: Wet the back of one hand. Wave both hands in the air. Which hand feels cooler? Keep fingers away from a real fan. Tell Pip!

4 Crossword! Write one letter in each box. The pictures help.



1 Across Water on your skin when you are hot (5 letters)



2 Down Moving air (4 letters)



3 Across It spins and blows air (3 letters)

Mission done!

Quiz: B, it moves air over your skin. A fan does not make cold air. Moving air carries warmth away from your skin and dries your sweat, so you feel cooler. Crossword: 1 Across sweat, 2 Down wind, 3 Across fan.

MISSION 54
Level 3 · Everyday Science

The Puffy Bread

Explorer: _____



The bread dough was small in the morning. After a few hours it puffed up big! Who blew it up?

1 Point and guess! What makes bread dough puff up?



A ice

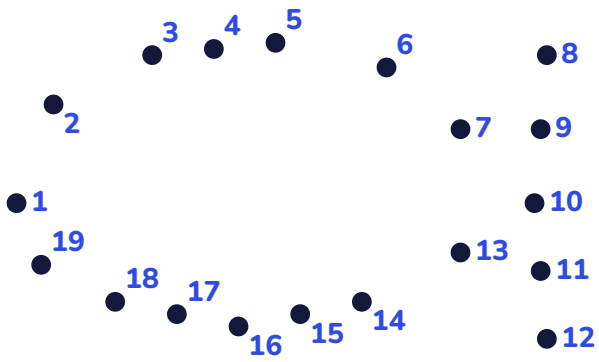


B salt



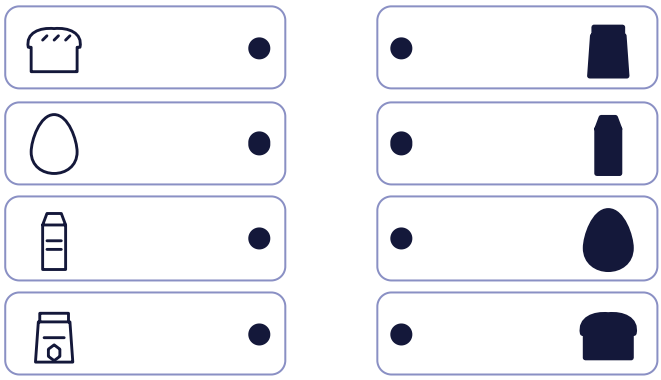
C tiny gas bubbles from yeast

2 Join the dots from 1 to 19



What did you make? Colour it in!

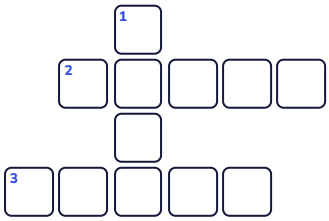
3 Draw a line from each picture to its shadow



Use your hands! Squeeze and stretch a ball of dough. Watch it spring back like puffy bread.

Real-life mission: With a grown-up, look closely at a slice of bread. Can you see tiny holes left by the bubbles? Tell Pip!

4 Crossword! Write one letter in each box. The pictures help.





1 Down A tiny gap (4 letters)

2 Across The soft mix before baking (5 letters)



3 Across A soft loaf (5 letters)

Mission done!

Quiz: C, tiny gas bubbles from yeast. Bread dough has yeast, a tiny living thing. It makes gas bubbles that puff the dough up. The dots make a whale. Crossword: 1 Down hole, 2 Across dough, 3 Across bread.