

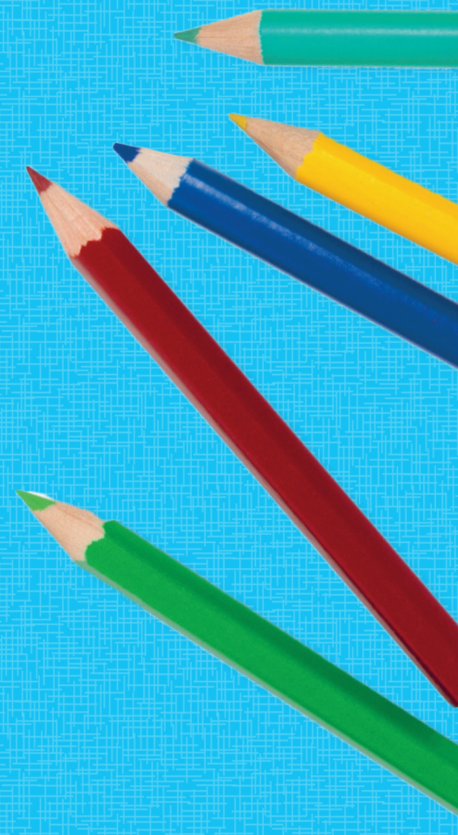
THE BIG QUESTIONS ANSWERED

YOUNG MELITTOLOGISTS'

ACTIVITY PACK



*Full of fun and
exciting activities to
accompany this book!*



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(t = top, b = bottom, m = middle, l = left, r = right)

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ARE BEES NATURE'S TINY HEROES?

For reference to the Teachers' & Parents' Resources, this goes with 'The Story of Pollination: Scene 2'.

www.thebigquestionsanswered.com



POLLINATION POWER

Find and circle the words listed below, in the grid. Words can be found in any direction (including diagonally) and can overlap each other.

R	K	E	R	I	S	H	O	X	L	I	M	X	Y	L	B	Q	R	X	C
P	K	P	M	P	V	U	C	R	H	H	X	S	M	Y	V	P	M	C	W
L	S	C	D	M	C	L	A	L	V	W	B	C	R	L	R	T	Q	V	T
E	U	Y	Z	Y	T	B	Q	B	D	I	A	N	G	R	Y	V	O	U	B
B	S	W	X	Y	R	L	O	U	C	E	Y	T	D	R	V	Q	X	C	Q
T	S	D	D	Q	U	U	P	O	L	L	E	N	Z	T	Y	G	D	G	K
J	N	E	U	C	T	Y	P	A	R	U	G	I	T	X	N	R	W	L	A
M	P	T	R	C	H	F	O	U	K	I	V	H	M	Q	B	Q	O	L	V
L	J	D	R	I	O	H	L	Z	Y	R	F	T	D	A	E	M	M	P	X
S	S	H	E	E	N	G	L	X	W	F	R	V	K	G	E	J	H	L	F
D	J	T	A	M	E	L	I	T	T	O	L	O	G	I	S	T	S	Z	V
T	P	G	Y	L	Y	S	N	W	P	J	Z	O	W	U	V	N	P	Y	L
G	S	S	V	H	J	L	A	E	J	W	U	M	W	S	F	R	F	V	Q
I	I	H	U	I	I	G	T	K	C	G	W	Q	T	E	K	J	P	N	L
J	L	X	T	J	U	Y	I	D	B	T	Q	N	O	G	R	C	W	Q	S
P	Y	H	Q	H	V	K	O	L	D	Z	A	F	G	W	W	S	O	F	V
O	F	L	V	R	W	I	N	G	S	L	L	R	P	B	V	P	J	G	B
A	E	X	N	G	Y	I	E	C	P	R	I	T	O	H	O	J	Q	B	F
O	Y	V	A	Y	B	L	E	U	O	M	D	E	J	H	O	A	F	W	Z
H	Q	X	E	S	Z	L	C	G	D	S	W	I	Q	H	W	R	S	S	I

MELITTOLOGISTS
POLLINATION
BEES
WINGS

POLLEN
NECTAR
FLOWERS
TREES

PLANTS
HONEY

ARE BEES NATURE'S TINY HEROES?

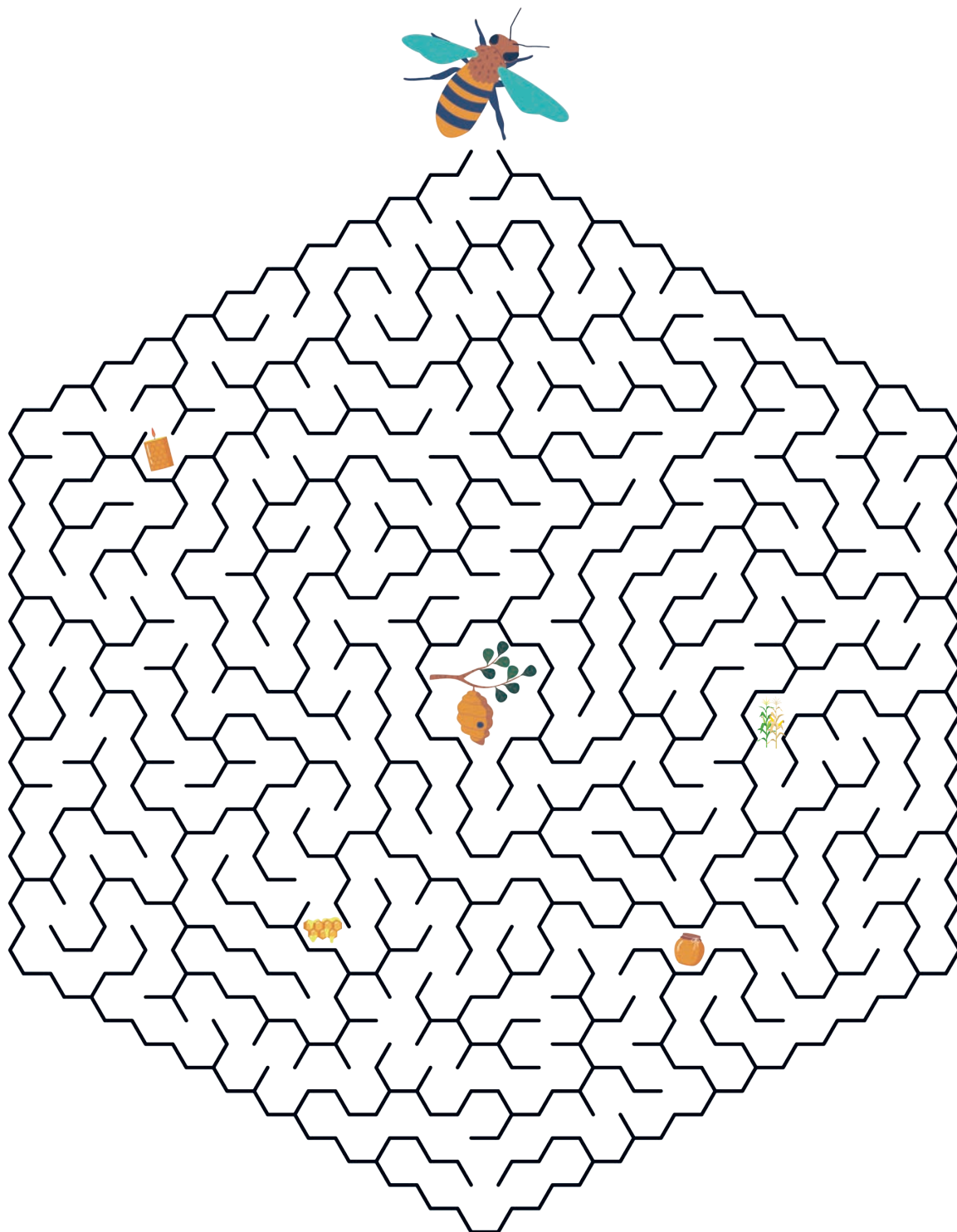
For reference to the Teachers' & Parents' Resources, this goes with 'Keeping Ecosystems Alive: Scene 3'.

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HONEY HUNT

This busy bee needs to collect all the items on its journey through the maze.
Can you help it get to the hive in the middle of the maze?





ARE BEES NATURE'S TINY HEROES?

For reference to the Teachers' & Parents' Resources, this goes with 'A World Without Bees: Scene 4'.

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A WORLD WITHOUT BEES

Our world without bees would look very different to how it does now! Think about your local park or garden, or go and visit them. Draw what you think that place might look like if there were no bees!

A large, empty rectangular box with a thin purple border, intended for a child to draw a scene without bees. An arrow points from the bottom left towards the box.

Draw your scene in here!

Why not print this page again and draw how the place looks now with bees around so that you can compare your pictures!



ARE BEES NATURE'S TINY HEROES?

For reference to the Teachers' & Parents' Resources, this goes with 'Ancient Egypt: Scene 5'.

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EXCITING EGYPTIANS

Bees have been helping us for generations, even as far back as the Ancient Egyptians! Use the clues below to work out the answers and fill in the boxes. The first one has been done for you.

~~HONEY~~

MUMMY

POLLEN

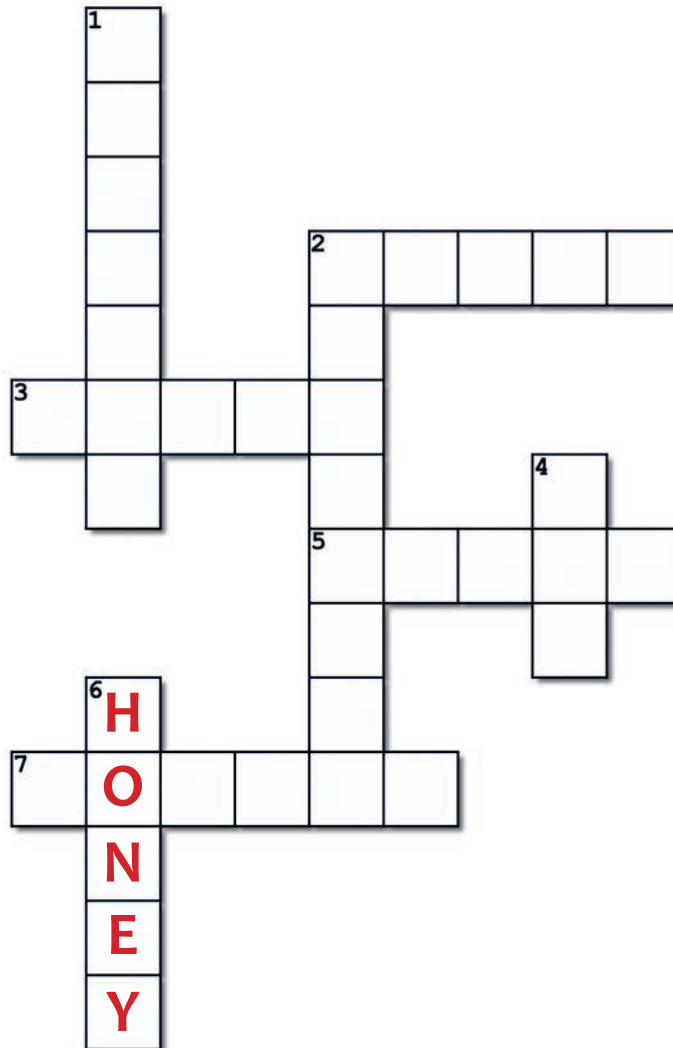
WOUND

MEDICINE

PHARAOH

BEE

CAKES



ACROSS

- A preserved body wrapped in cloth. In Ancient Egypt, they used honey to do this.
- A sore spot or cut that honey could heal.
- Ancient Egyptians used honey to make these sweet desserts.
- The yellow powder that bees collect from flowers.

DOWN

- The name of an Ancient Egyptian king who might have enjoyed honey.
- Something given to you when you're not well. The Ancient Egyptians used honey as a natural version of this thing.
- Small, flying insect that makes honey.
- ~~Sticky and sweet treat made by bees.~~

ARE BEES NATURE'S TINY HEROES?

For reference to the Teachers' & Parents' Resources, this goes with 'Happy Making Honey: Scene 6'.

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HOME IS WHERE THE HONEY IS

Can you use what you've learnt about how bees make honeycomb to decide which of the sentences below are true and which are false?

	SENTENCE	TRUE	FALSE
1	Bees make honey by drinking nectar from flowers.		
2	Bees store nectar on their wings.		
3	Nectar passes from bee to bee, which then turns into honey.		
4	Bees build honeycomb into perfect square shapes.		
5	Honeycomb is a place where worker bees grow and live.		
6	Bees use the sugar in honey to make beeswax.		

ARE BEES NATURE'S TINY HEROES?

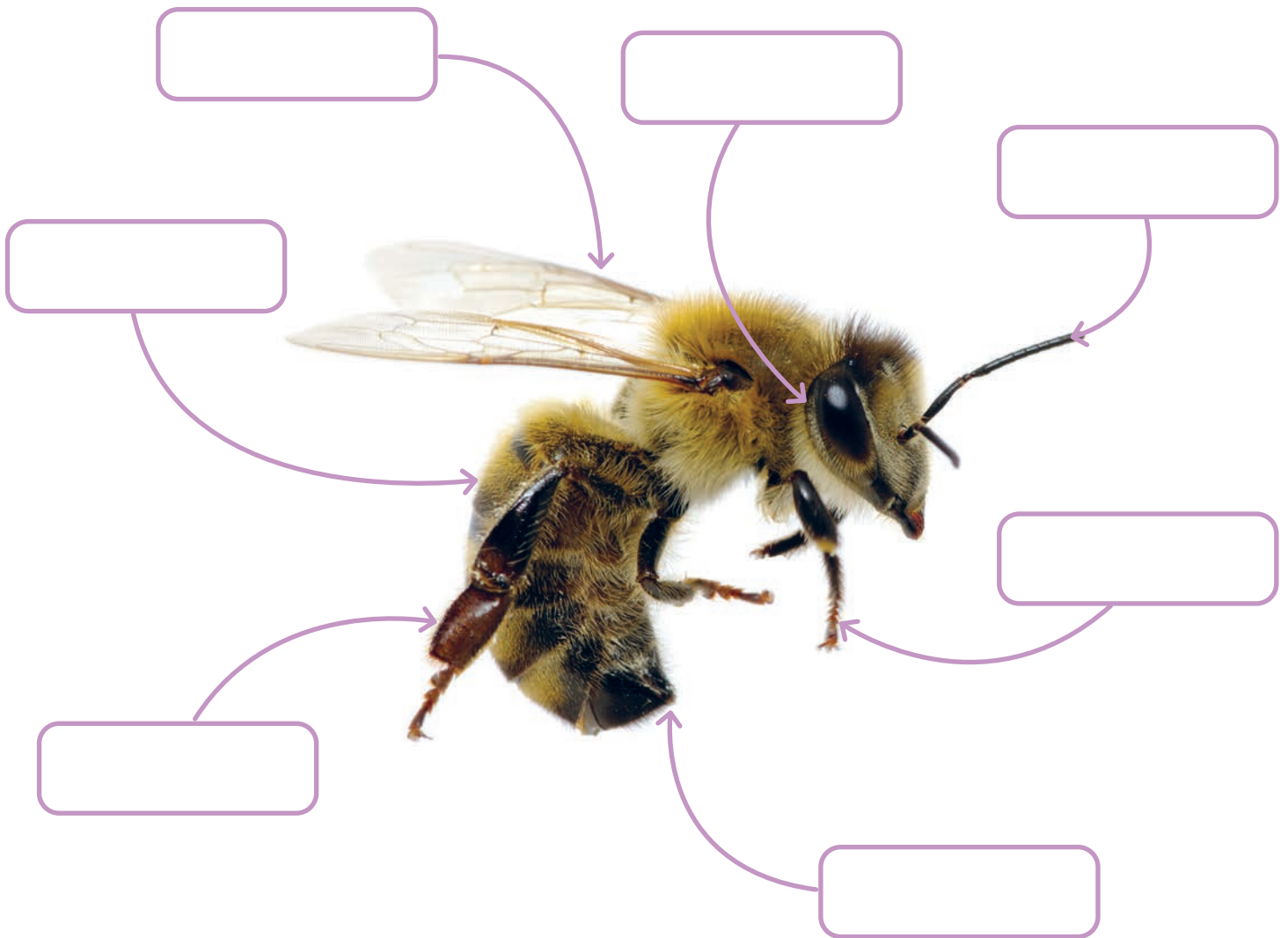
For reference to the Teachers' & Parents' Resources, this goes with 'Bee-rilant Abilities: Scene 7'.

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BRILLIANT BEE FEATURES

Can you fill in the boxes to label the parts of a bee's body?
Each answer can only be used once.



WING

ANTENNA

LEG

BODY

EYE

FOOT

STINGER

ARE BEES NATURE'S TINY HEROES?

For reference to the Teachers' & Parents' Resources, this goes with 'The Importance of Teamwork: Scene 8'.

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COLONY CREW

The bees are busy working together in their colony. Can you spot the **10** differences between the two pictures? Circle them when you spot them.



ARE BEES NATURE'S TINY HEROES?

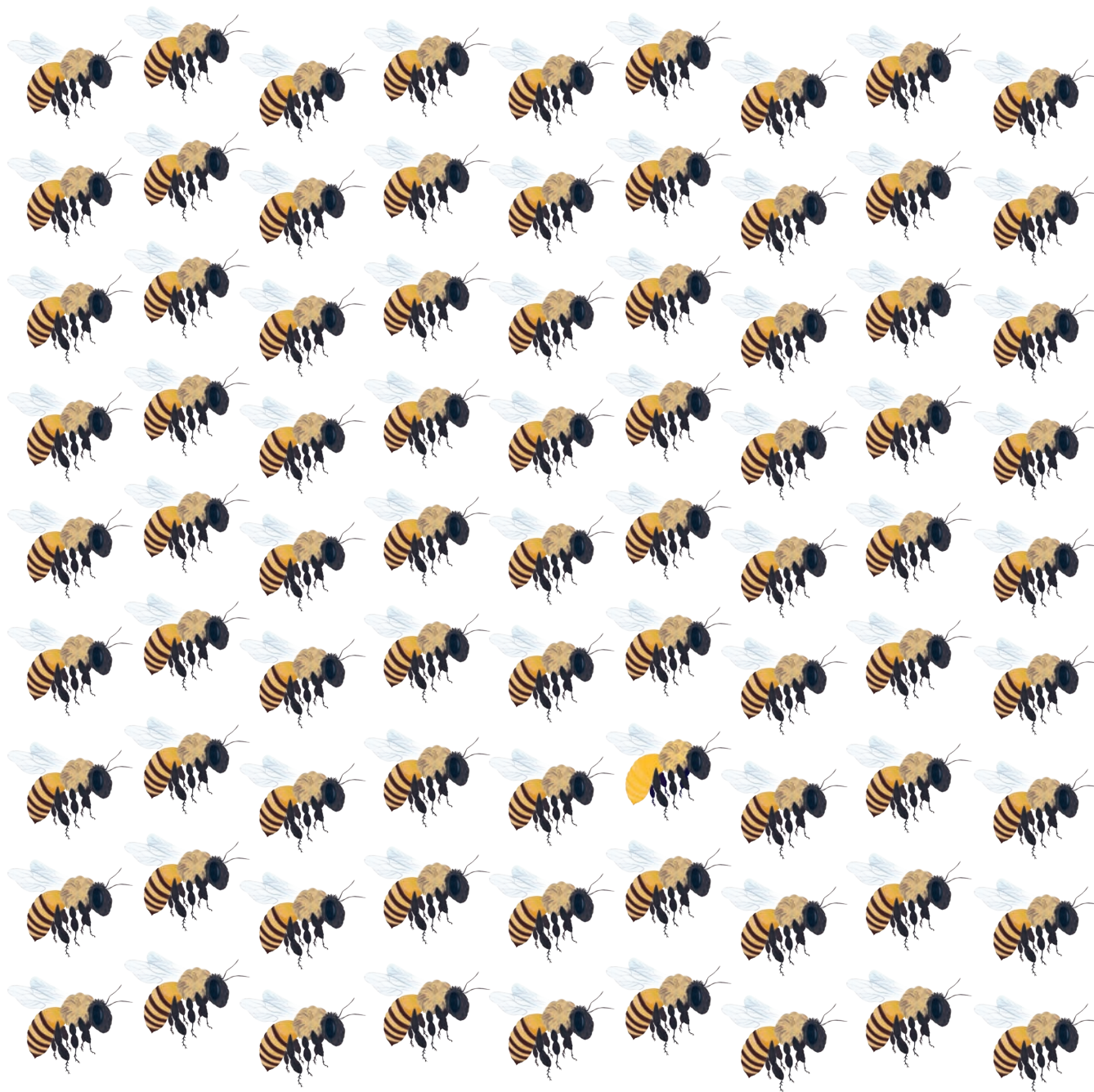
For reference to the Teachers' & Parents' Resources, this goes with 'Swarming: Scene 9'.

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SWARM ATTACK

Watch out for the bee swarm!
Can you spot the bee that is different to all the others?





ARE BEES NATURE'S TINY HEROES?

For reference to the Teachers' & Parents' Resources, this goes with 'Threats to Bees: Scene 10'.

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SCOUT BEE FINDS A NEW HOME

Below are some sentences.

Draw an image to match each sentence and create your own comic.



The queen bee wants a new home because the hive is way too full.



So, scout bee leaves to find the perfect place.



Oh no! They can't live here - there's too much litter!



And they can't live here - they are cutting down the trees!



Wow, there are lots of wildflowers here and a winding river. This is the perfect place to live!



Scout bee returns and leads the queen bee and worker bees to start a new colony.



ARE BEES NATURE'S TINY HEROES?

For reference to the Teachers' & Parents' Resources, this goes with 'Protecting Bees: Scene II'.

www.thebigquestionsanswered.com



DESIGN YOUR OWN BUG HOTEL

Get creative and turn this empty space into a bug hotel, with lots of different insects, and don't forget the bees!

A large, empty rectangular box with a thin purple border, intended for drawing a bug hotel. It occupies most of the page below the title.

Draw your bug hotel
in here!

Maybe you could add
some flowers and other
plants, too!



ARE BEES NATURE'S TINY HEROES?

For reference to the Teachers' & Parents' Resources, this goes with 'Keeping Bees: Scene 12'.

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BUSY BEEKEEPERS

Can you use the words below to fill in the blanks and uncover some bee-rillicant facts? Each answer can only be used once.

pollinating

crops

honeycomb

beekeepers

swarm

hives

1. The people that keep and look after bees are called _____.
2. They mainly keep honeybees, who produce lots of _____.
3. Colonies of bees are kept in _____, and beekeepers ensure they are well looked after, and safe from predators.
4. Bees are sometimes kept on farms to help farmers with their _____. They help food crops in particular, and they do this by _____!
5. Beekeepers don't control the bees – they are able to _____ if they wish! But beekeepers create a safe, clean home for the bees, which means they often come back.



What other facts have you learnt about bees?



ARE BEES NATURE’S TINY HEROES?

For reference to the Teachers’ & Parents’ Resources, this goes with ‘All Sorts of Bees: Scene 13’.

www.thebigquestionsanswered.com



BEES EVERYWHERE

Choose a type of bee – any you like – and see what amazing things you can find out about it!
Draw your chosen bee and fill in all of the information below.



Draw your bee in here!

Type of bee:

Do they sting?:

This bee lives in:

.....

A fun fact about this bee is:

.....

.....

.....



Why not print this sheet off multiple times to create a bee booklet full of all the different bees!



ARE BEES NATURE'S TINY HEROES?

For reference to the Teachers' & Parents' Resources, this goes with 'Post-Reading Questions'.

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WRITE YOUR OWN MELITTOLOGY STORY

Can you write a story of your own about melittology, making sure to include the 3 key words below?

POLLEN

BEES

MELITTOLOGIST

MORE FUN MELITTOLOGY ACTIVITIES

COLOURING SHEETS & MORE!

The following activities aren't based on any specific scenes in the book. They can be used on their own or alongside the book as extra activities.

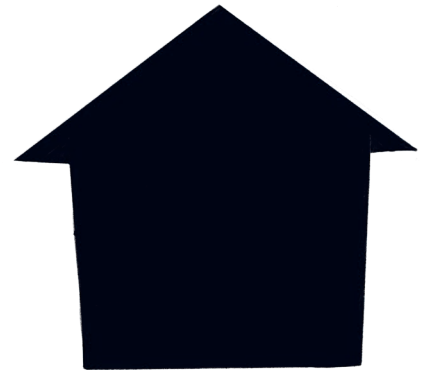
FIND THE SCIENTIST

There are lots of different scientists below. Can you find the melittologist?
Circle them when you find them - there's only one!



MATCH THE SHAPE

Can you match each shadow to the correct picture? Draw a line to connect them.



SIMPLE SUMS

Below are 3 objects which represent different numbers.

Work out the sum based on what each object represents and write your answers in the boxes.



= 1



= 3



= 4



+



-



+



-



=



+



+



+



=



+



+



-



+



=



+



-



-



=

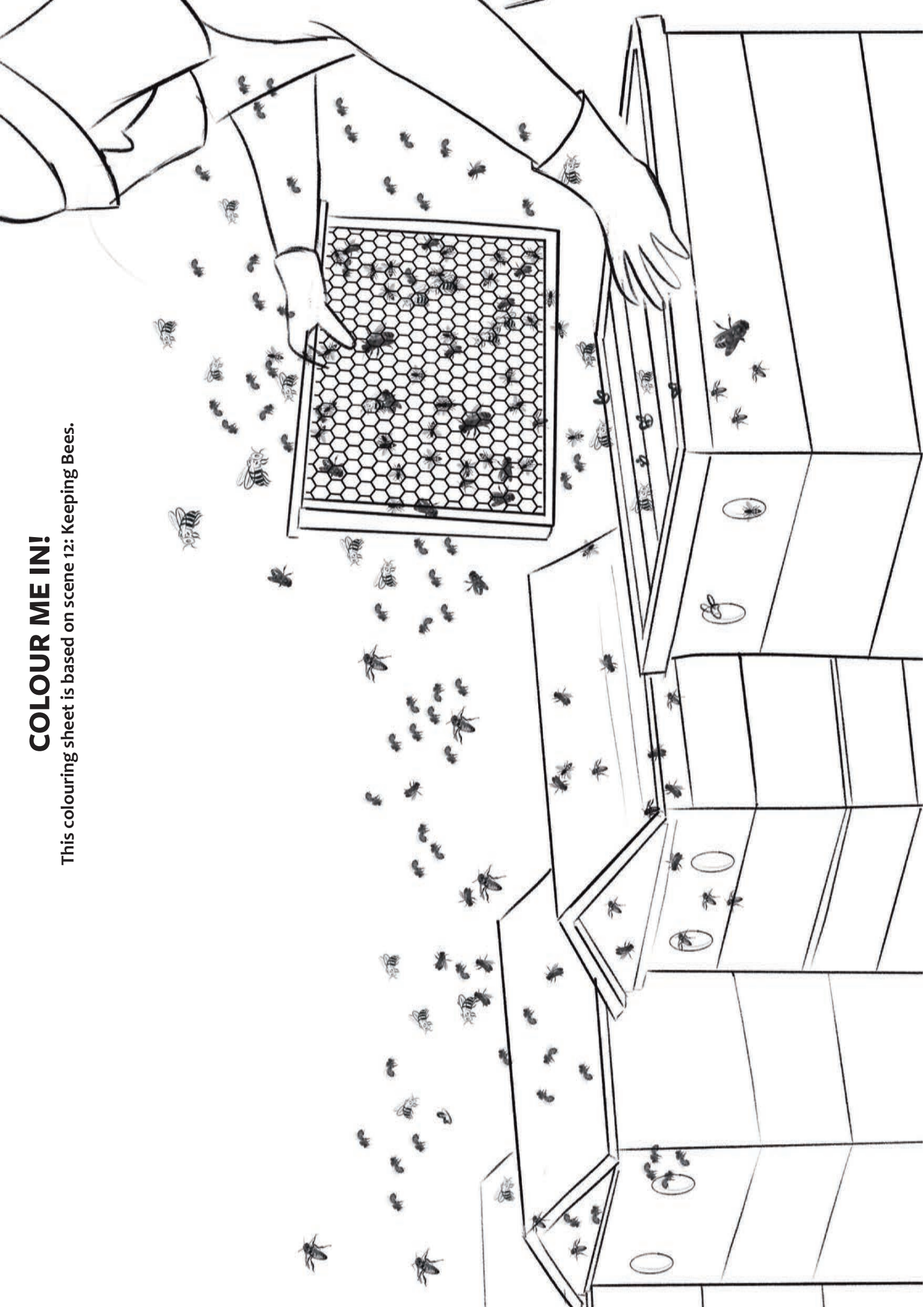
COLOUR ME IN!

This colouring sheet is based on scene 5: Ancient Egypt.



COLOUR ME IN!

This colouring sheet is based on scene 12: Keeping Bees.



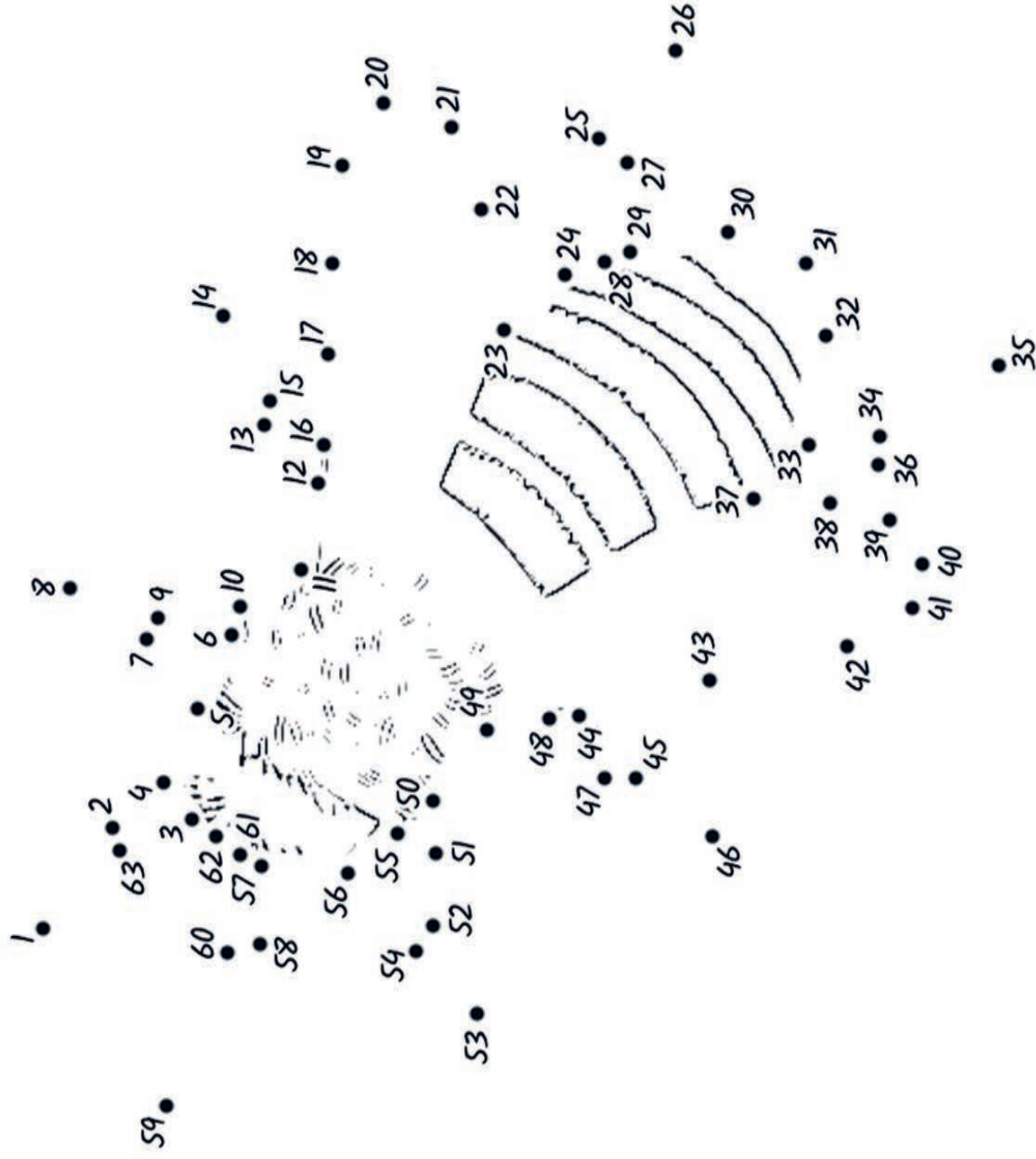
COLOUR ME IN!

This colouring sheet is based on scene 13: All Sorts of Bees.



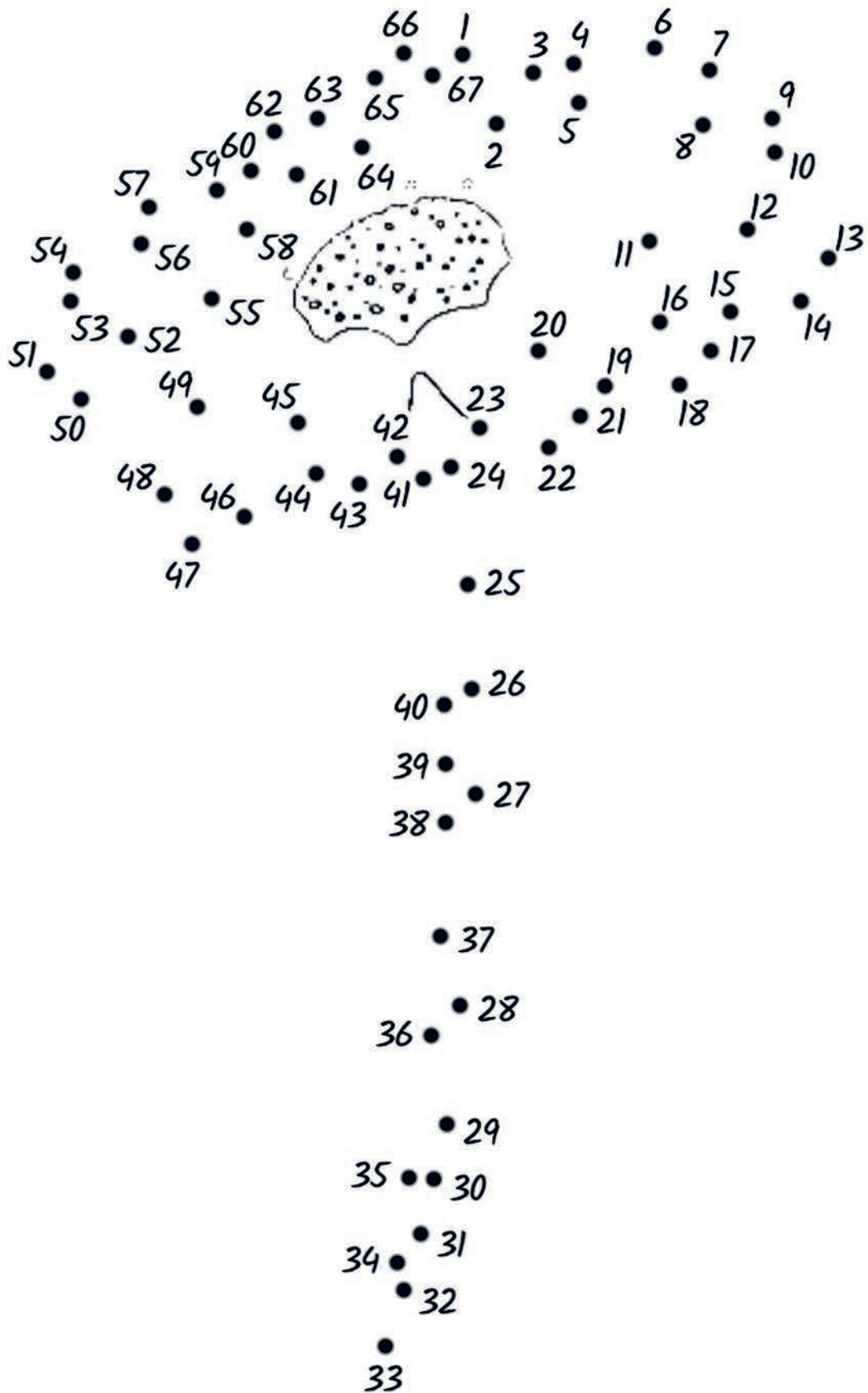
DOT-TO-DOT

Starting from 1, draw a line connecting the numbers to create a picture. Why not colour it in afterwards?



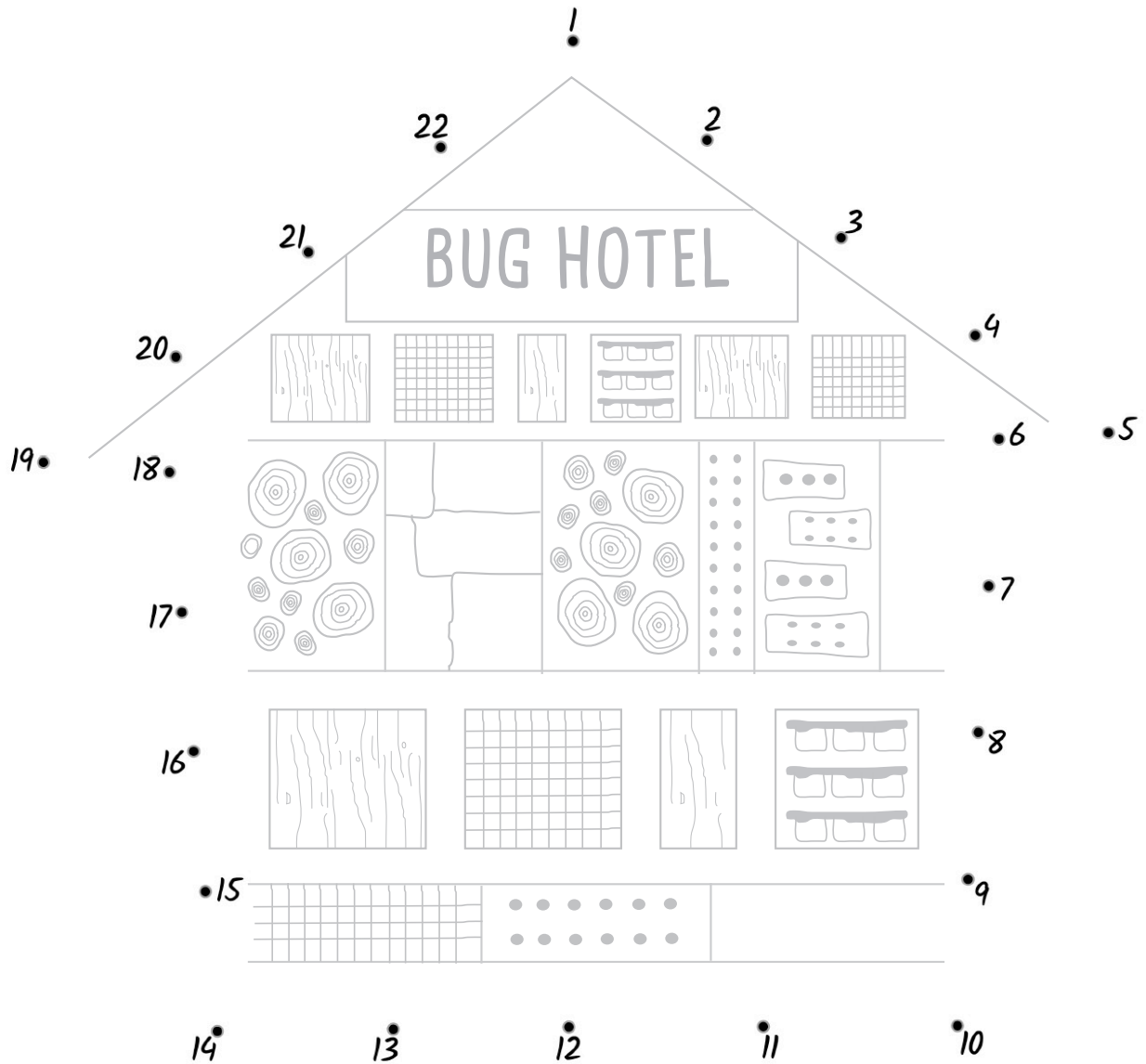
DOT-TO-DOT

Starting from 1, draw a line connecting the numbers to create a picture. Why not colour it in afterwards?



DOT-TO-DOT

Starting from 1, draw a line connecting the numbers to create a picture. Why not draw some bees and other bugs in and around the bug hotel and then colour it in afterwards?



YOUNG MELITTOLOGISTS' ACTIVITY ANSWERS

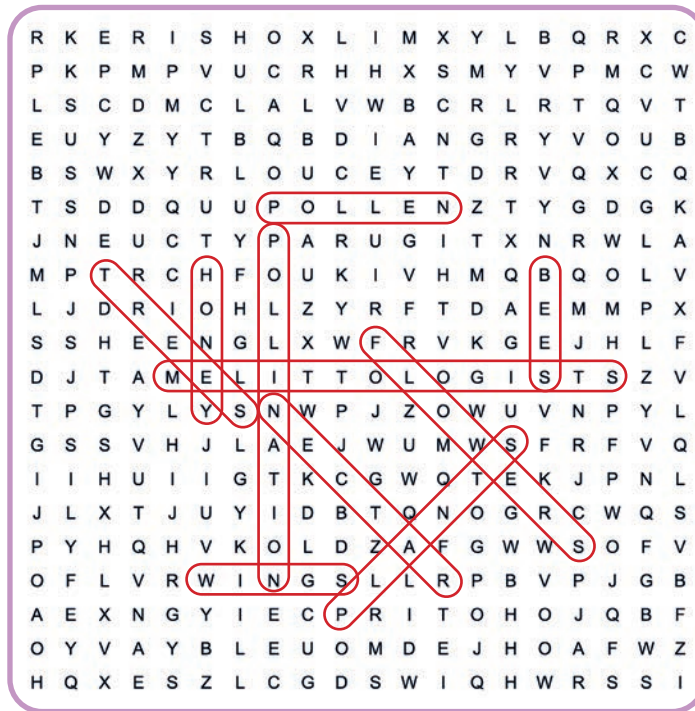
Find the answers to the activities on the following pages.

ACTIVITY ANSWERS

Check your answers against the correct answers below!

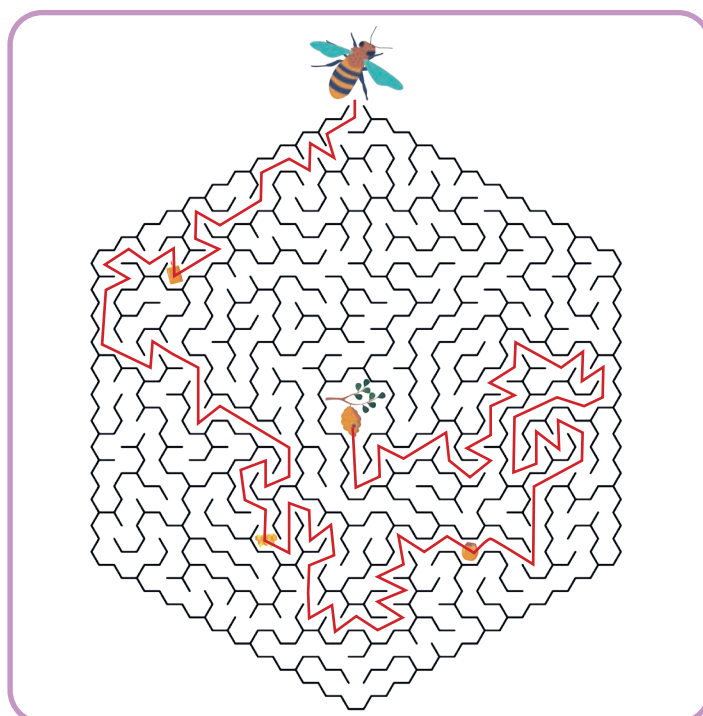
POLLINATION POWER ANSWERS

The answers below are for the word search activity on page 4.



HONEY HUNT ANSWERS

The answers below are for the maze activity on page 5.

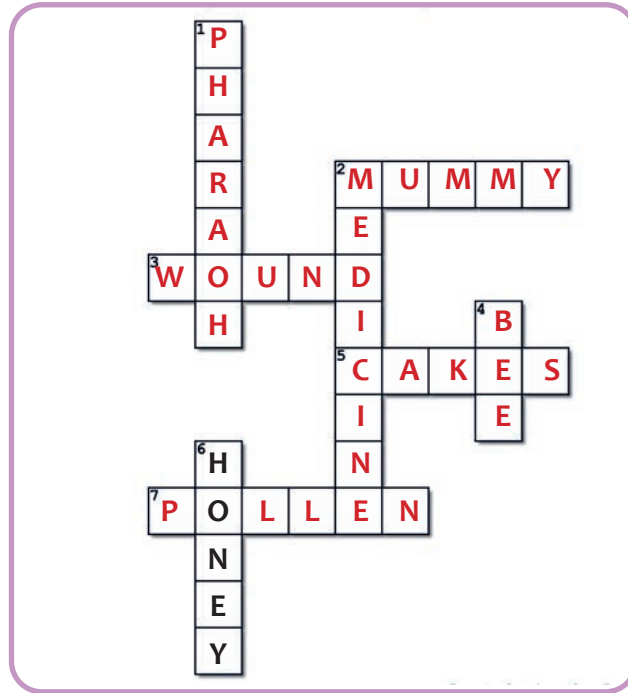


ACTIVITY ANSWERS

Check your answers against the correct answers below!

EXCITING EGYPTIANS ANSWERS

The answers below are for the crossword activity on page 7.



HOME IS WHERE THE HONEY IS ANSWERS

The answers below are for the true or false activity on page 8.

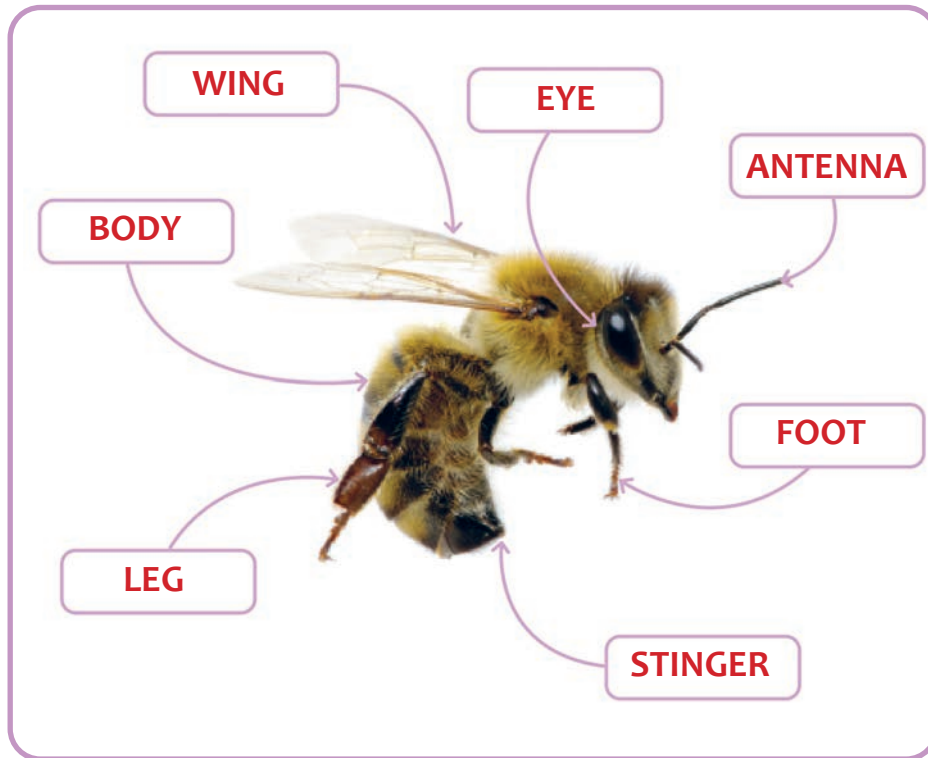
	SENTENCE	TRUE	FALSE
1	Bees make honey by drinking nectar from flowers.	TRUE	
2	Bees store nectar on their wings.		FALSE
3	Nectar passes from bee to bee, which then turns into honey.	TRUE	
4	Bees build honeycomb out of perfect square shapes.		FALSE
5	Honeycomb is a place for worker bees to grow and live.	TRUE	
6	Bees use the sugar in honey to make beeswax.	TRUE	

ACTIVITY ANSWERS

Check your answers against the correct answers below!

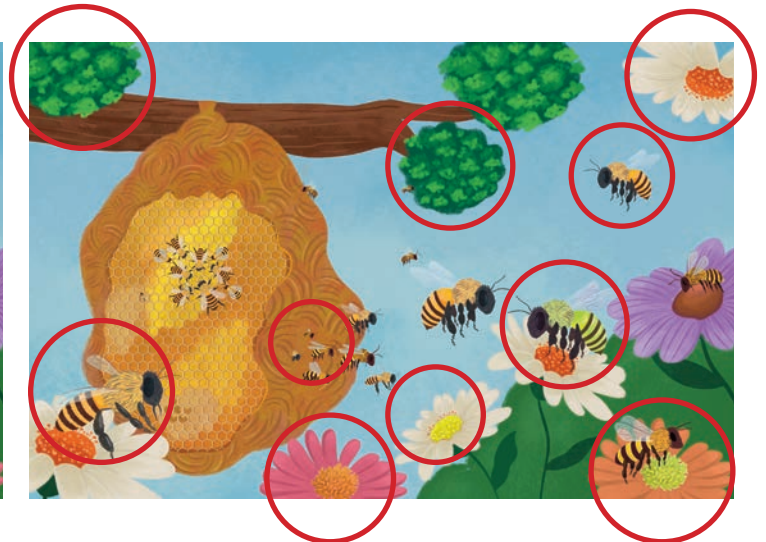
BRILLIANT BEE FEATURES ANSWERS

The answers below are for the label the part activity on page 9.



COLONY CREW ANSWERS

The answers below are for the spot the difference activity on page 10.

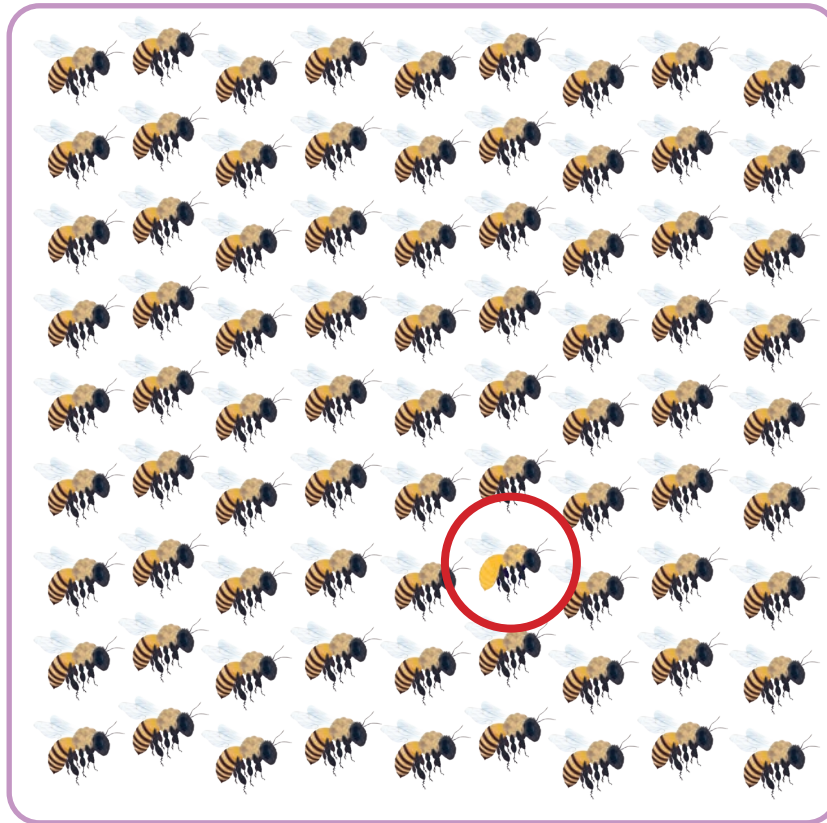


ACTIVITY ANSWERS

Check your answers against the correct answers below!

SWARM ATTACK ANSWERS

The answers below are for the odd one out activity on page 11.



BUSY BEEKEEPERS ANSWERS

The answers below are for the fill in the blanks activity on page 14.

1. The people that keep and look after bees are called beekeepers.
2. They mainly keep honeybees, who produce lots of honeycomb.
3. Colonies of bees are kept in hives, and beekeepers ensure they are well looked after, and safe from predators.
4. Bees are sometimes kept on farms to help farmers with their crops. They help food crops in particular, and they do this by pollinating!
5. Beekeepers don't control the bees – they are able to swarm if they wish! But beekeepers create a safe, clean home for the bees, which means they often come back.

EXTRA ACTIVITY ANSWERS

Check your answers against the correct answers below!

FIND THE SCIENTIST

The answers below are for the activity on page 18.



MATCH THE SHAPE

The answers below are for the activity on page 19.



SIMPLE SUMS

The answers below are for the activity on page 20.

$$\text{Flower} + \text{Flower} - \text{Flower} + \text{Bee} - \text{Bee} = \boxed{3}$$

$$\text{Scientist} + \text{Flower} + \text{Bee} + \text{Flower} = \boxed{11}$$

$$\text{Flower} + \text{Scientist} + \text{Scientist} - \text{Bee} + \text{Scientist} = \boxed{2}$$

$$\text{Scientist} + \text{Bee} - \text{Flower} - \text{Scientist} = \boxed{1}$$