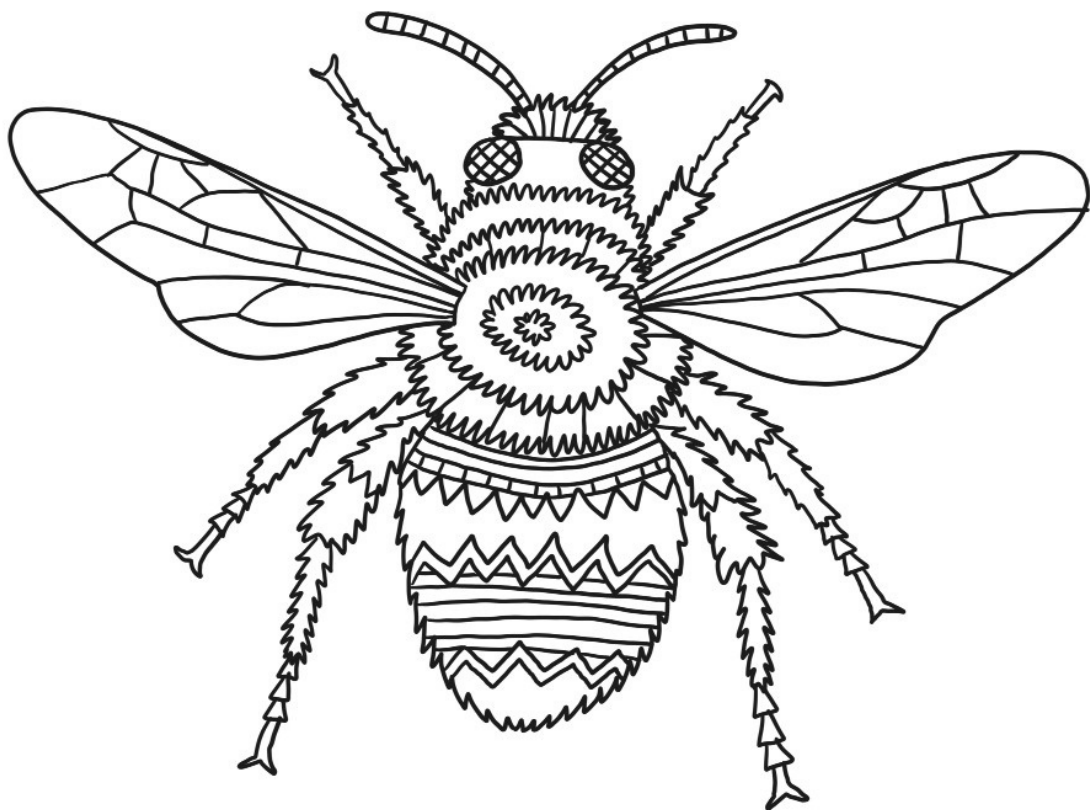


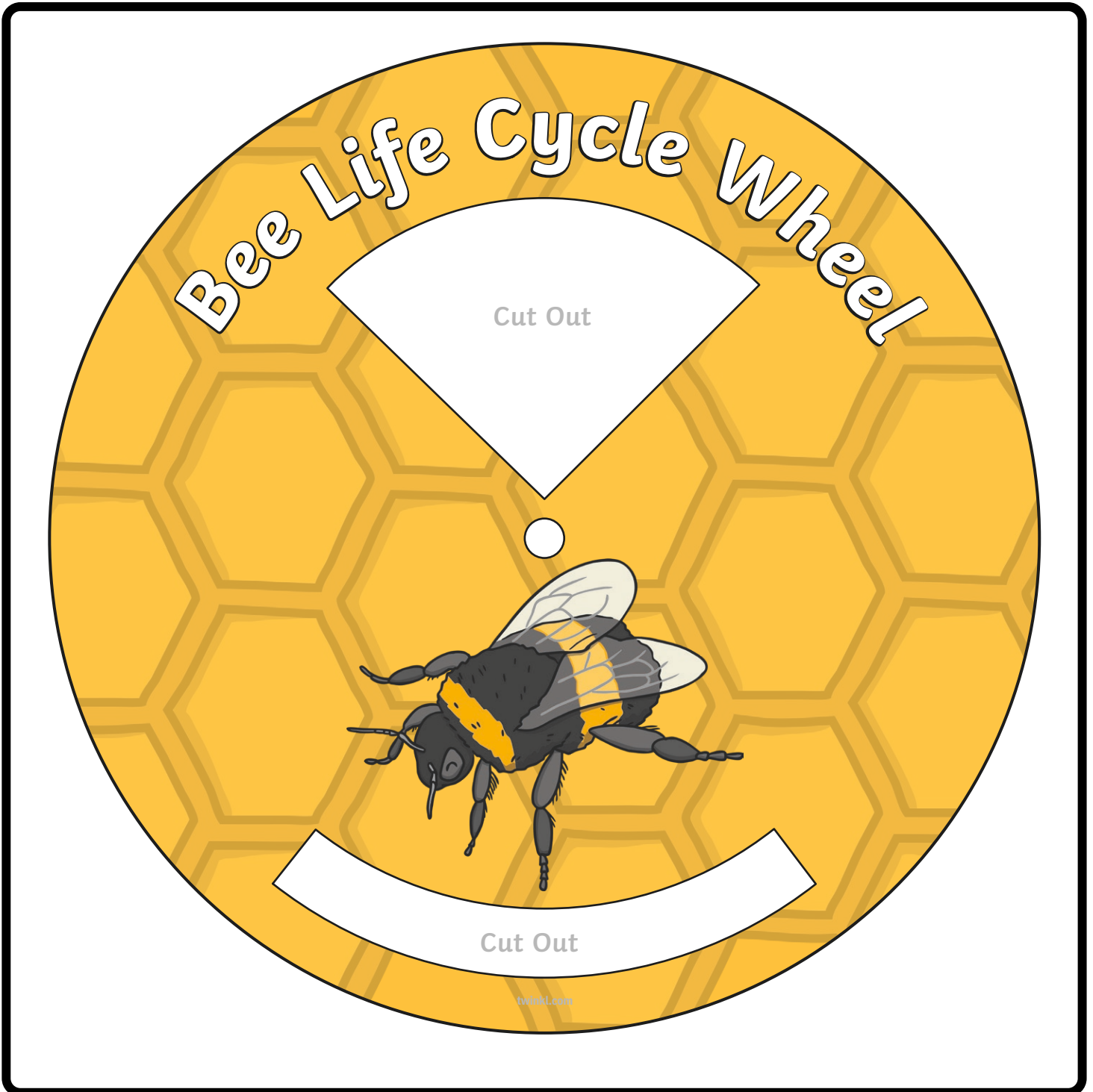
Home Education  
**All About Bees**  
Activity Booklet



# The Life Cycle of the Bee

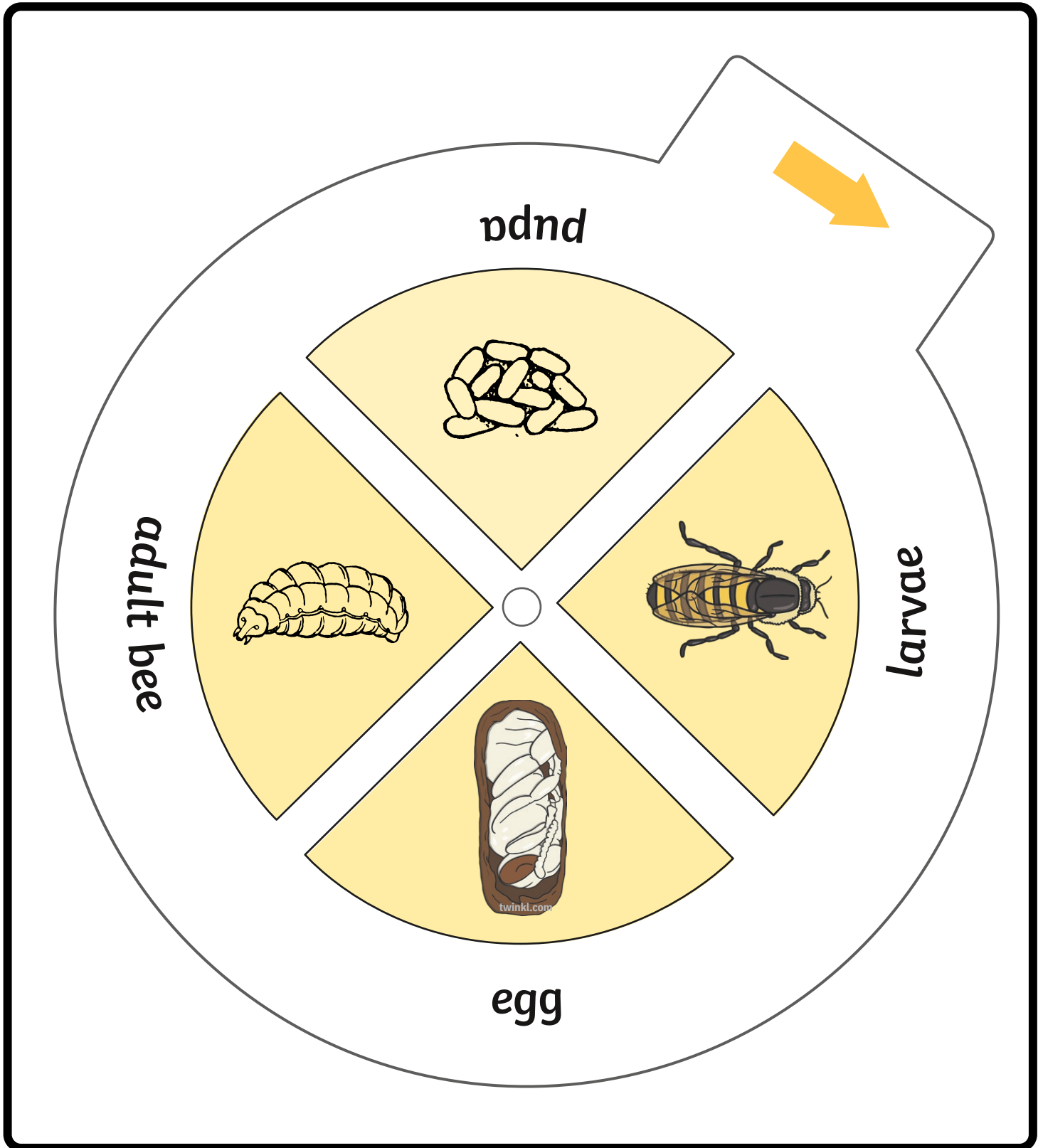
## Instructions

1. Cut around the circle below with scissors. Carefully cut out the two white sections labelled "Cut Out."
2. Carefully make a hole in the centre of the circle. You might like to gently press a pencil through the paper to make this hole.



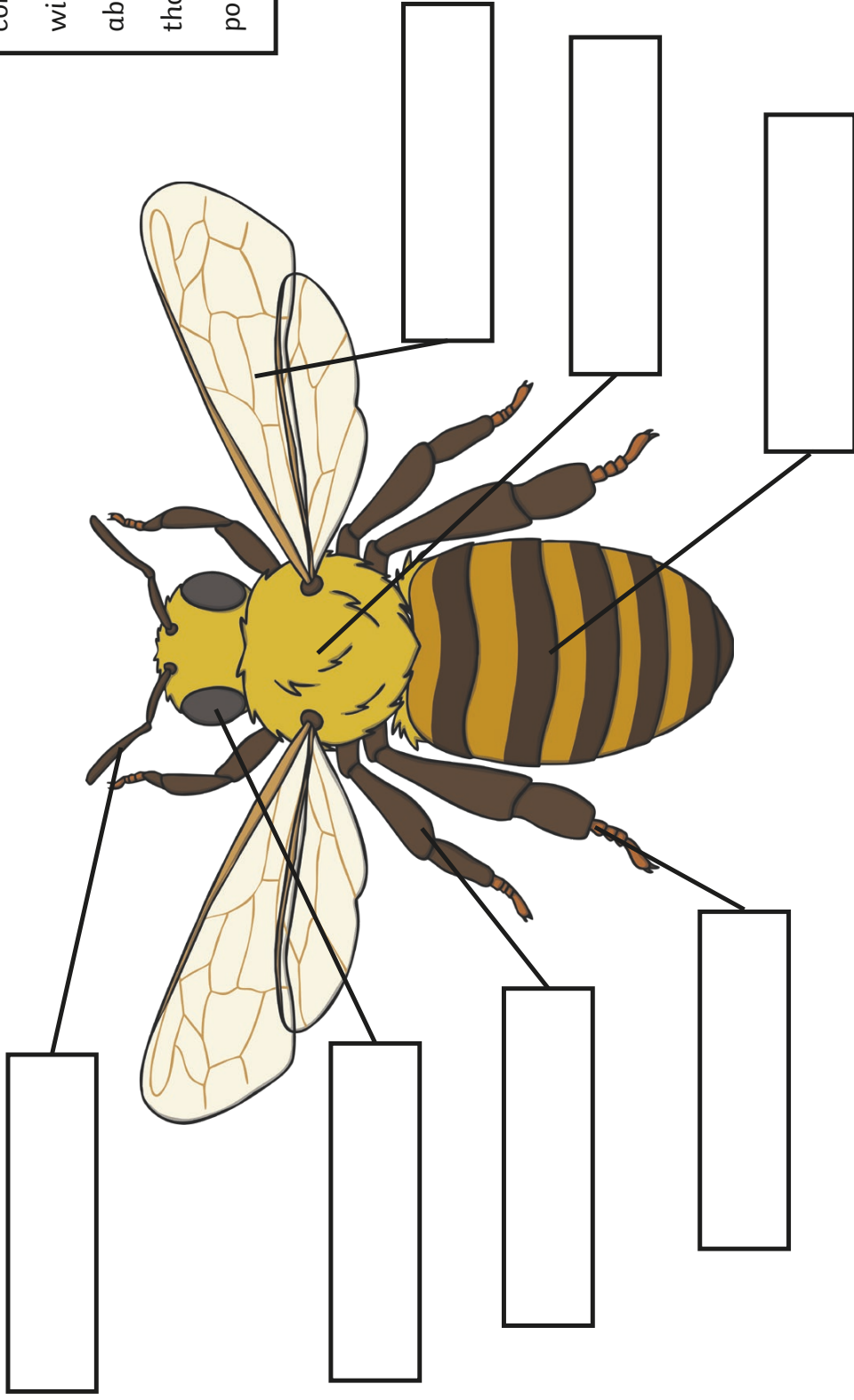
## Instructions

1. Carefully cut around the outside of the circle below with scissors.
2. Carefully make a hole in the centre of the circle. Thread a split or brad pin through the hole and secure. Spin the arrow to see each life-cycle stage.



# Label the Honeybee

Look at the word box. Rewrite the labels in the boxes so that the bee is correctly labelled.



**Word box**

- antenna
- leg
- compound eye
- wings
- abdomen
- thorax
- pollen basket

# All About Bees



## Amazing Fact:

Bees communicate by dancing! Worker bees perform a waggle dance to tell other bees where to fly to find nectar and pollen.

insects	avocados	colonies	invertebrates	queen	eggs
drones	worker	stingers	pollen	abdomen	orange

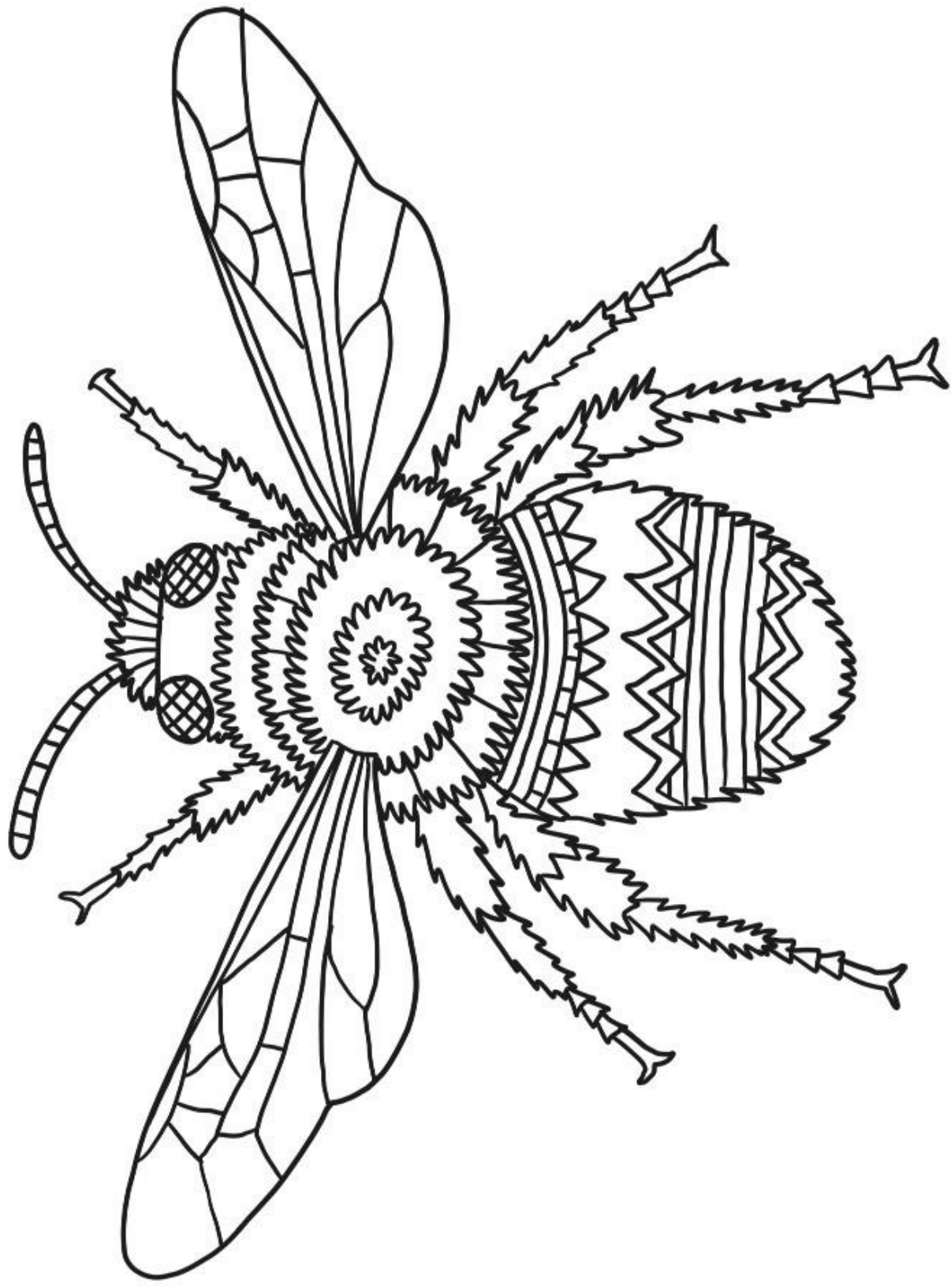


## Challenge:

Find the missing words to complete these sentences.

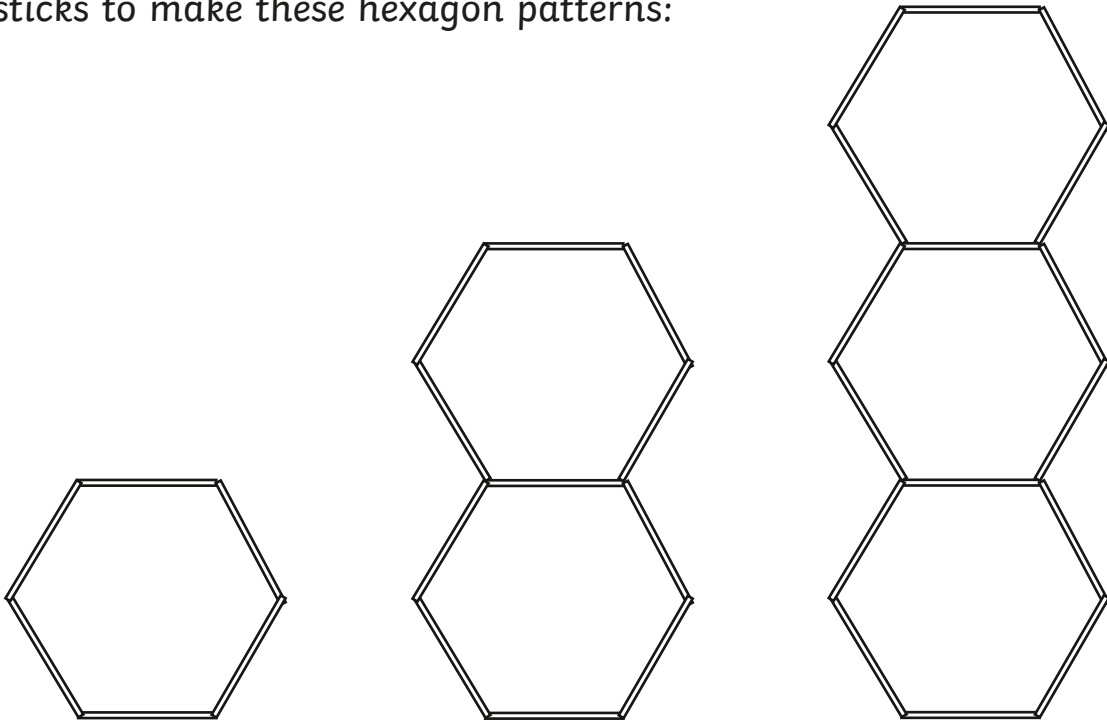
Bees are \_\_\_\_\_. Like all insects, bees are \_\_\_\_\_ have six legs and three body parts. They have a head, thorax, and an \_\_\_\_\_. While most people identify bees by their yellow and black abdomens, bees come in many colours. They can be black, white, red, \_\_\_\_\_, green, blue, and even purple! Bees are social insects and they live in groups called \_\_\_\_\_. Each bee has a job. The queen bee is the largest bee in the hive. Her job is to lay \_\_\_\_\_ and she can lay up to 3000 eggs a day! Male bees are called \_\_\_\_\_. Drones rarely leave the hive and do not have \_\_\_\_\_. Their job is to fertilize the eggs to make more bees! \_\_\_\_\_ bees are all female. They have many jobs including feeding, cleaning, and making wax, but their most important job is to find and collect nectar and pollen. Bees are important pollinators. They help plants to grow by carrying \_\_\_\_\_ from one flower to another. Bees pollinate many fruits and vegetables including apples, bananas, \_\_\_\_\_, and more!

# Mindfulness Colouring



# Build A Hexagon

Bee Honeycomb is hexagonal in shape. Use matchsticks to make these hexagon patterns:



## Challenge:

1. Build the next 2 patterns in the sequence.
2. Complete the table. Predict and test the number of sticks for 8 and 10 hexagons, then predict the number of sticks for 12 and 20 hexagons.

Number of hexagons	1	2	3	4	5	8	10	12	20
Number of sticks									

## Extra Challenge

Can you write an algebraic expression for the number of sticks for  $n$  hexagons?

# Minibeast

a t c o c k r o a c h y  
n q l a a j z a f a s a  
t e r c r i c k e t s e  
x c z i q r u w t z n y  
i c d b u t t e r f l y  
b n b e e t l e e f j e  
q b e e b y m y n r b a  
l g r a s s h o p p e r  
s p i d e r g h p j w w  
o o f h h a t k m l a i  
b i q j r o l j h q s g  
g z u d m h z i h o p p

butter fly

earwig

bee

grasshopper

cricket

dragonfly

beetle

ant

wasp

moth

cockroach

spider





# How Honey Is Made

## Amazing Fact

Honey found in the tombs of Egyptian pharaohs has been tasted by archaeologists and found to be edible. If stored properly in a sealed jar, there is no reason why honey could not last forever.

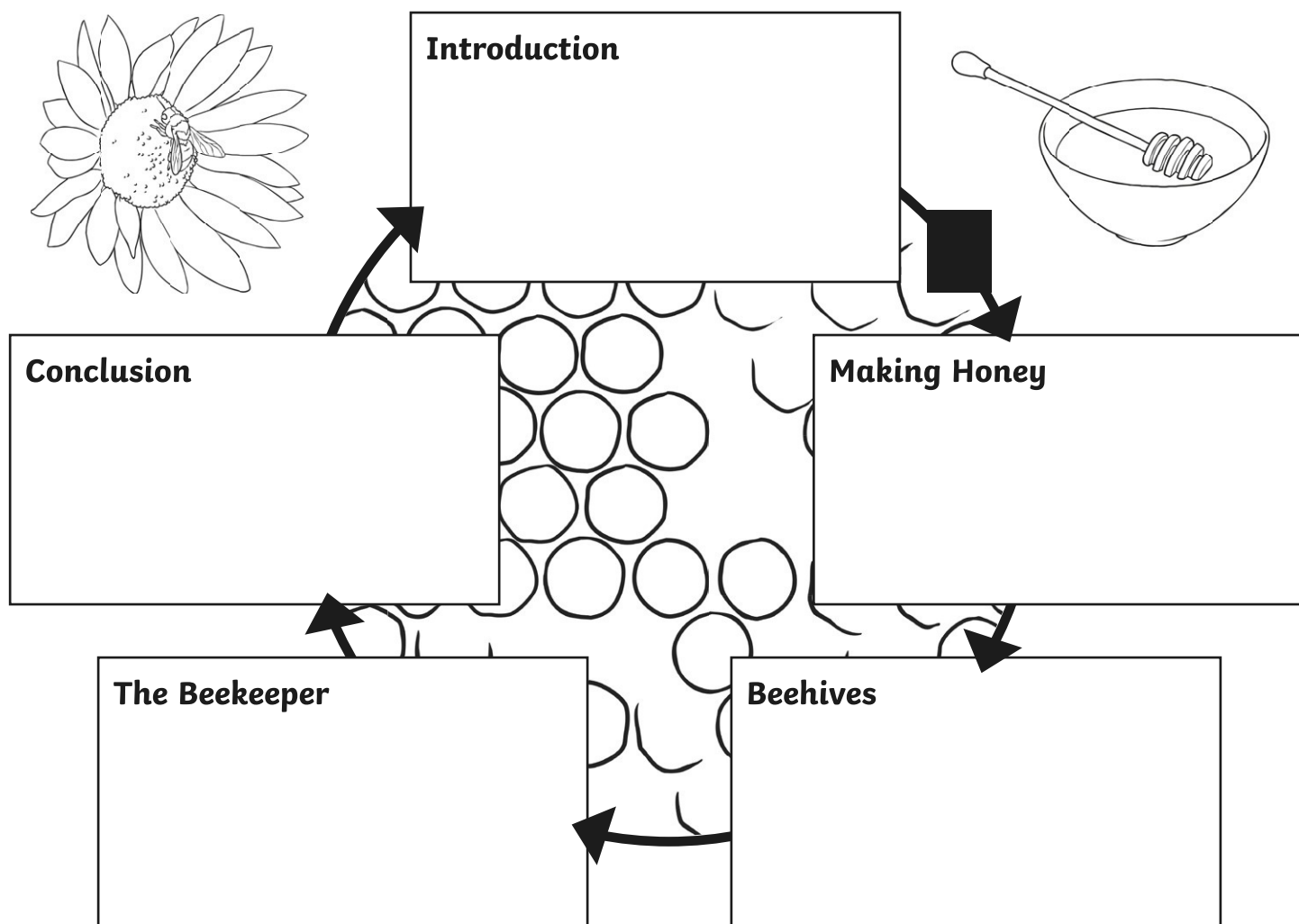
## Challenge

Find out how honey is made and record your findings in the flow chart below.

Where does the process begin?

Where does the process finish?

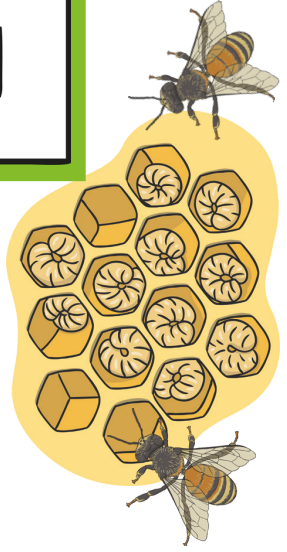
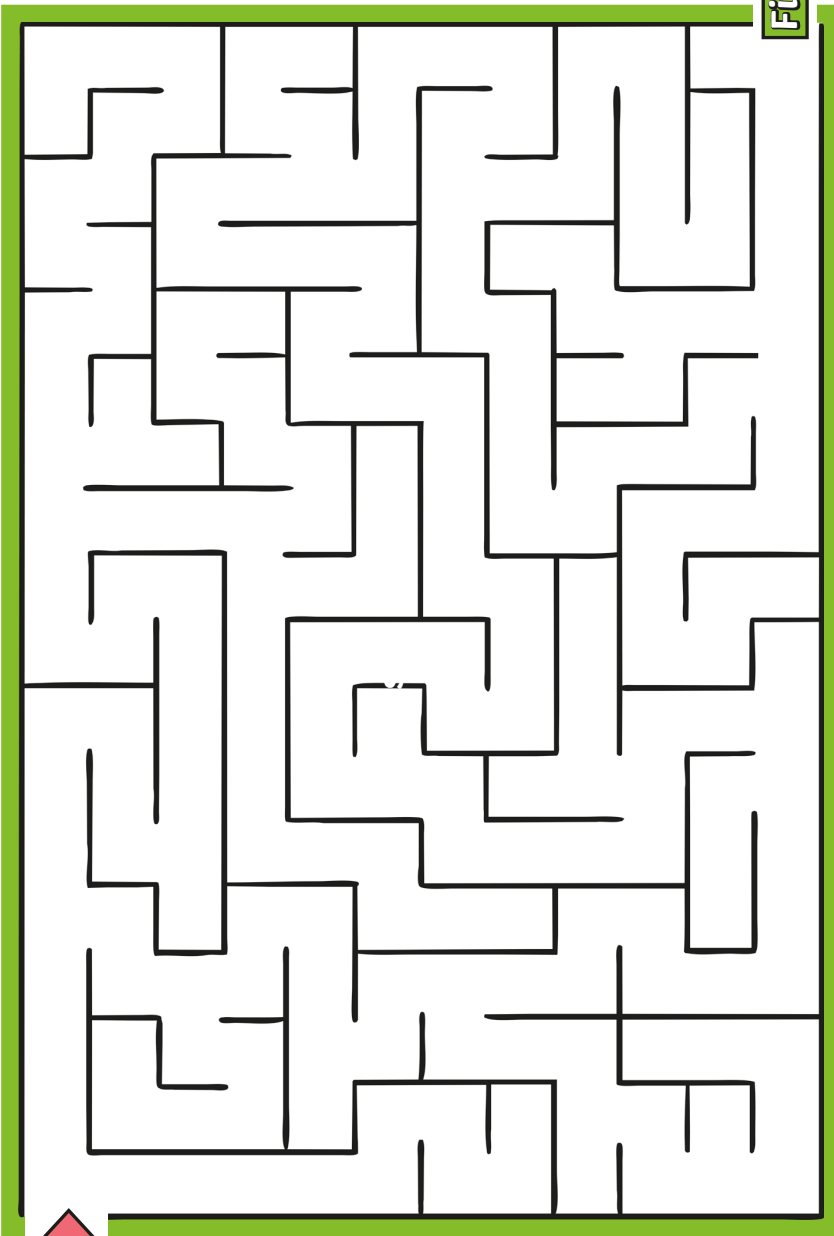
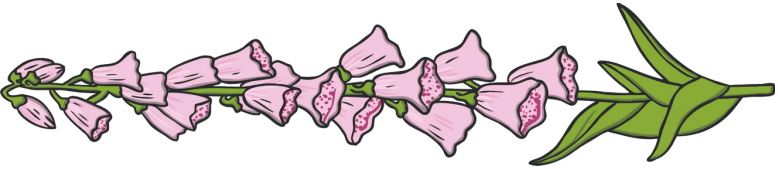
What people, animals and equipment are required?



You could also try to find out:

- what makes honey so special;
- which other foods from history have been sampled without ill effects;
- how honey is made;
- which drinks have been kept unopened for the longest.

# Honeybee Maze



Home Education

**All About Bees**

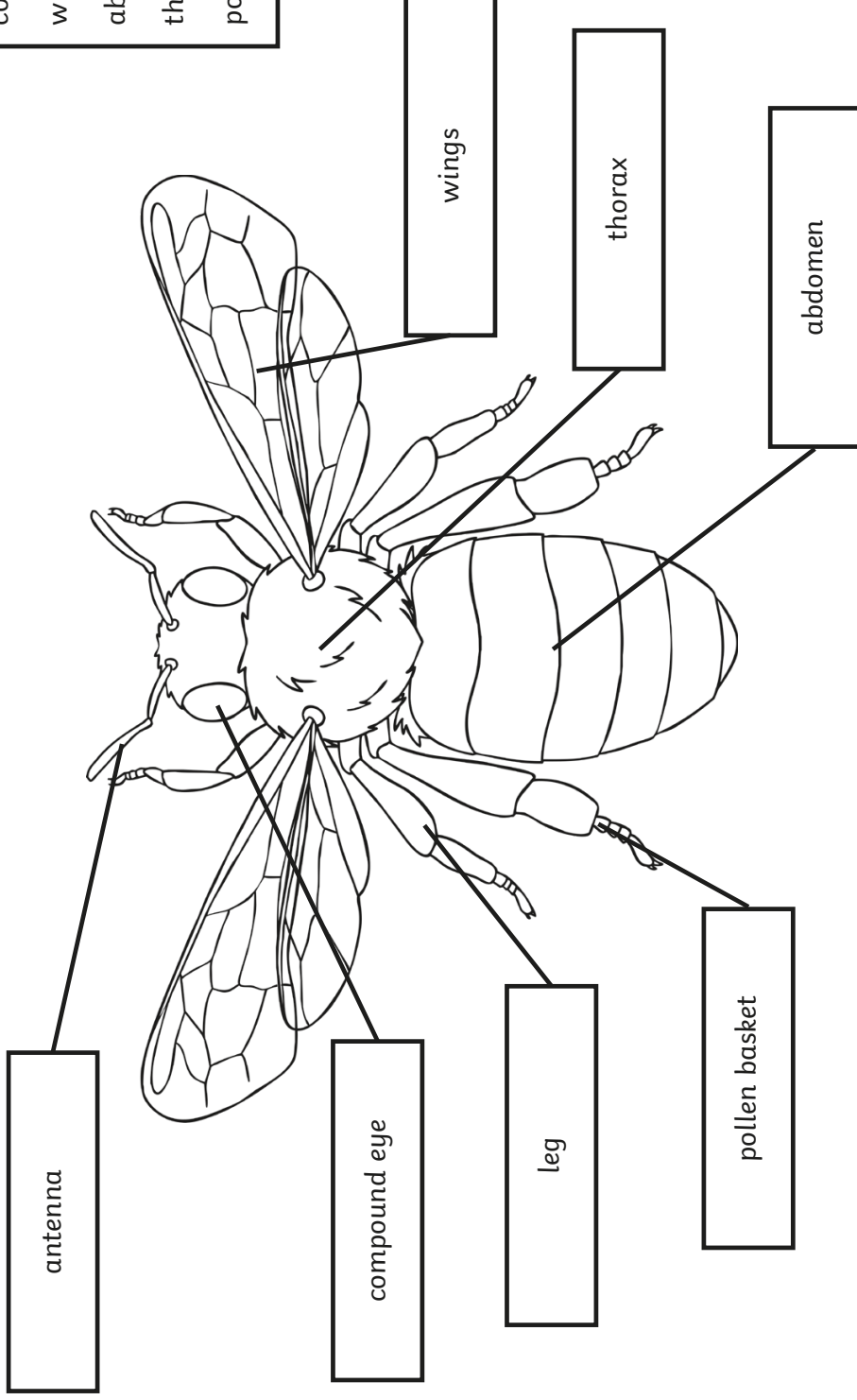
Activity Booklet

**Answers**

# Label the Honeybee - Answers

Look at the word box. Rewrite the labels in the correct boxes so that the bee is correctly labelled.

**Word box**  
antenna  
leg  
compound eye  
wings  
abdomen  
thorax  
pollen basket



# All About Bees: Answers

insects	avocados	colonies	invertebrates	queen	eggs
drones	worker	stingers	pollen	abdomen	orange

Bees are insects. Like all insects, bees are invertebrates and have six legs and three body parts. They have a head, thorax, and an abdomen. While most people identify bees by their yellow and black abdomens, bees come in many colours. They can be black, white, red, orange, green, blue, and even purple! Bees are social insects and they live in groups called colonies. Each bee has a job. The queen bee is the largest bee in the hive. Her job is to lay eggs and she can lay up to 3000 eggs a day! Male bees are called drones. Drones rarely leave the hive and do not have stingers. Their job is to fertilize the eggs to make more bees! Worker bees are all female. They have many jobs including feeding, cleaning, and making wax, but their most important job is to find and collect nectar and pollen. Bees are important pollinators. They help plants to grow by carrying pollen from one flower to another. Bees pollinate many fruits and vegetables including apples, bananas, avocados, and more!

# Build a Hexagon: Answers

Number of hexagons	1	2	3	4	5	8	10	12	20
Number of sticks	6	11	16	21	26	41	51	61	101

## Challenge (Year 6)

Number of sticks =  $5n + 1$

# Minibeast Word Search Answers

a t c o c k r o a c h y  
n q l a a j z a f a s a  
t e r c r i c k e t s e  
x c z i q r u w t z n y  
i c d b u t t e r f l y  
b n b e e t l e e f j e  
q b e e b y m y n r b a  
l g r a s s h o p p e r  
s p i d e r g h p j w w  
o o f h h a t k m l a i  
b i q j r o l j h q s g  
g z u d m h z i h o p p

butter fly  
earwig  
bee  
grasshopper

cricket  
dragonfly  
beetle  
ant

wasp  
moth  
cockroach  
spider