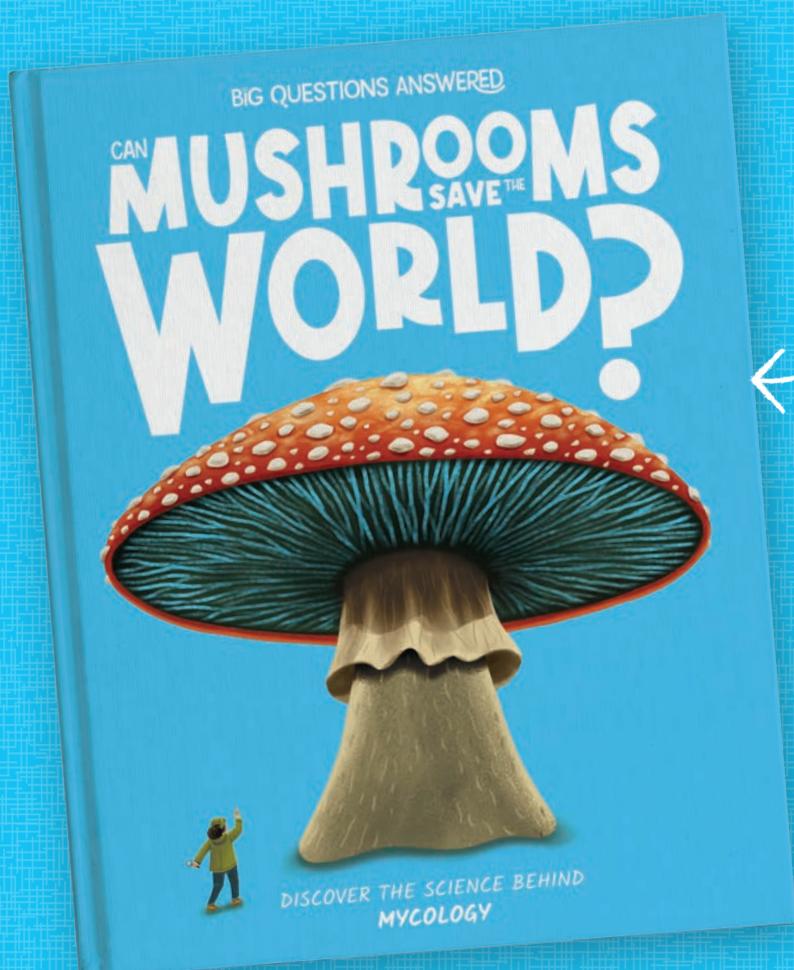
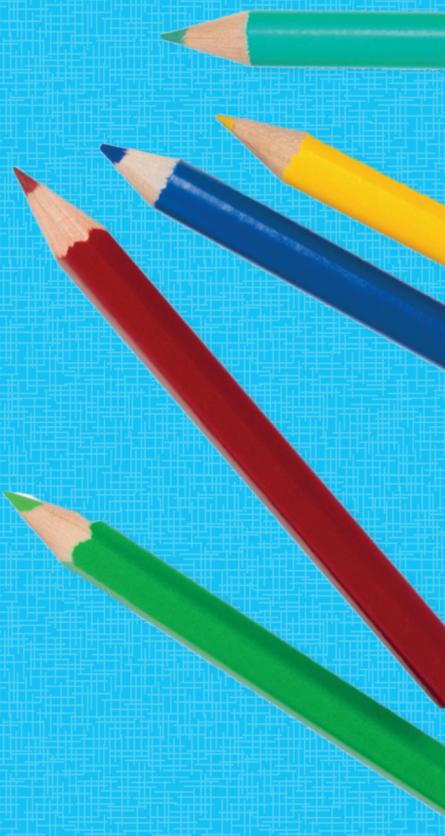


THE BIG QUESTIONS ANSWERED

# YOUNG MYCOLOGISTS' ACTIVITY PACK



Full of fun and  
exciting activities to  
accompany this book!



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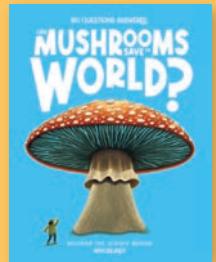


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# CAN MUSHROOMS SAVE THE WORLD?

For reference to the Teachers' & Parents' Resources, this goes with 'When Mushrooms Ruled the Earth: Scene 1'.



[www.thebigquestionsanswered.com](http://www.thebigquestionsanswered.com)

# DIARY ENTRY

Imagine what it would be like to travel back in time to live alongside ancient giant mushrooms, just like the prehistoric mushrooms in *Can Mushrooms Save the World?*

**Use the space below to write a diary entry all about it.**



## Feeling stuck? Try some of these...

- **Describe the place where you found the giant mushroom.**  
Where were you? What was around you at the time?
- **Describe what the mushroom looked like.**  
Think about the size, colour, and texture.
- **Describe how you would be feeling.**  
Would you be excited, nervous, or something else?

## CAN MUSHROOMS SAVE THE WORLD?

For reference to the Teachers' & Parents' Resources, this goes with 'Studying Mushrooms Today: Scene 2'.

[www.thebigquestionsanswered.com](http://www.thebigquestionsanswered.com)



# MISSING MUSHROOMS

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



FUNGI  
MUSHROOM  
MYCOLOGIST

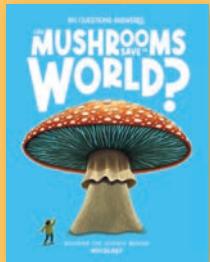
MYCOLOGY  
WRINKLED PEACH  
CORDYCEPS

BITTER OYSTER  
SCIENTIST  
ZOMBIE ANT

# CAN MUSHROOMS SAVE THE WORLD?

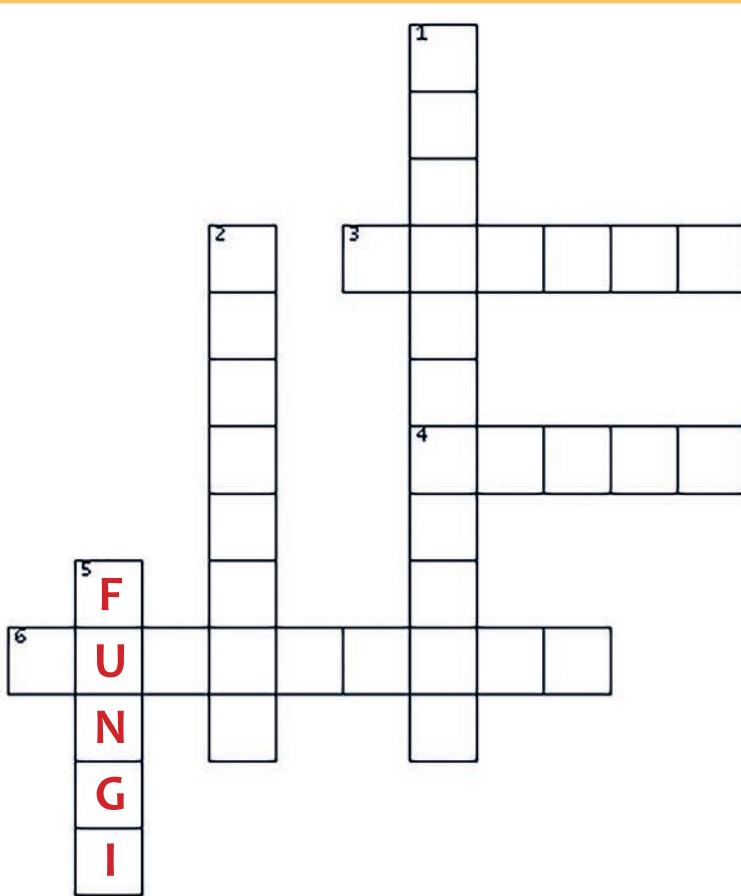
For reference to the Teachers' & Parents' Resources, this goes with 'Trees and Fungi in Conversation: Scene 3'.

[www.thebigquestionsanswered.com](http://www.thebigquestionsanswered.com)



## FUNGI ROOTS

Fungi connect with trees through their roots. They are great team players. Use the clues below to work out the different words related to their teamwork! The first one has been done for you.



~~FUNGI~~

TEAMWORK

ROOTS

UNDERGROUND

NUTRIENTS

SECRET

### ACROSS

3. Something that is hidden.
4. Part of a plant which attaches it to the ground for support.
6. Trees and fungi exchange this to keep each other healthy.

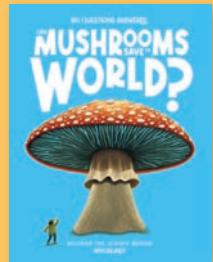
### DOWN

1. Below the surface of the ground.
2. Another way to say 'working together'.
5. ~~A living thing that is neither a plant nor an animal.~~

# CAN MUSHROOMS SAVE THE WORLD?

For reference to the Teachers' & Parents' Resources, this goes with 'The Spores Cycle: Scene 4'.

[www.thebigquestionsanswered.com](http://www.thebigquestionsanswered.com)



## SPREADING SPORES

Can you use what you've learnt about how mushrooms spread to work out which of the sentences are true and which are false?

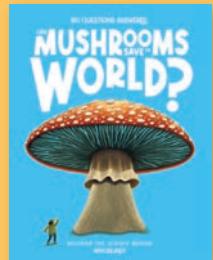
	SENTENCE	TRUE	FALSE
1	Spores are mini mushrooms.		
2	Where spores land, new mushrooms grow!		
3	Spores can be carried away by the wind.		
4	Mycologists are the scientists who study fungi and mushrooms.		
5	Spores can be spread by trees.		



## CAN MUSHROOMS SAVE THE WORLD?

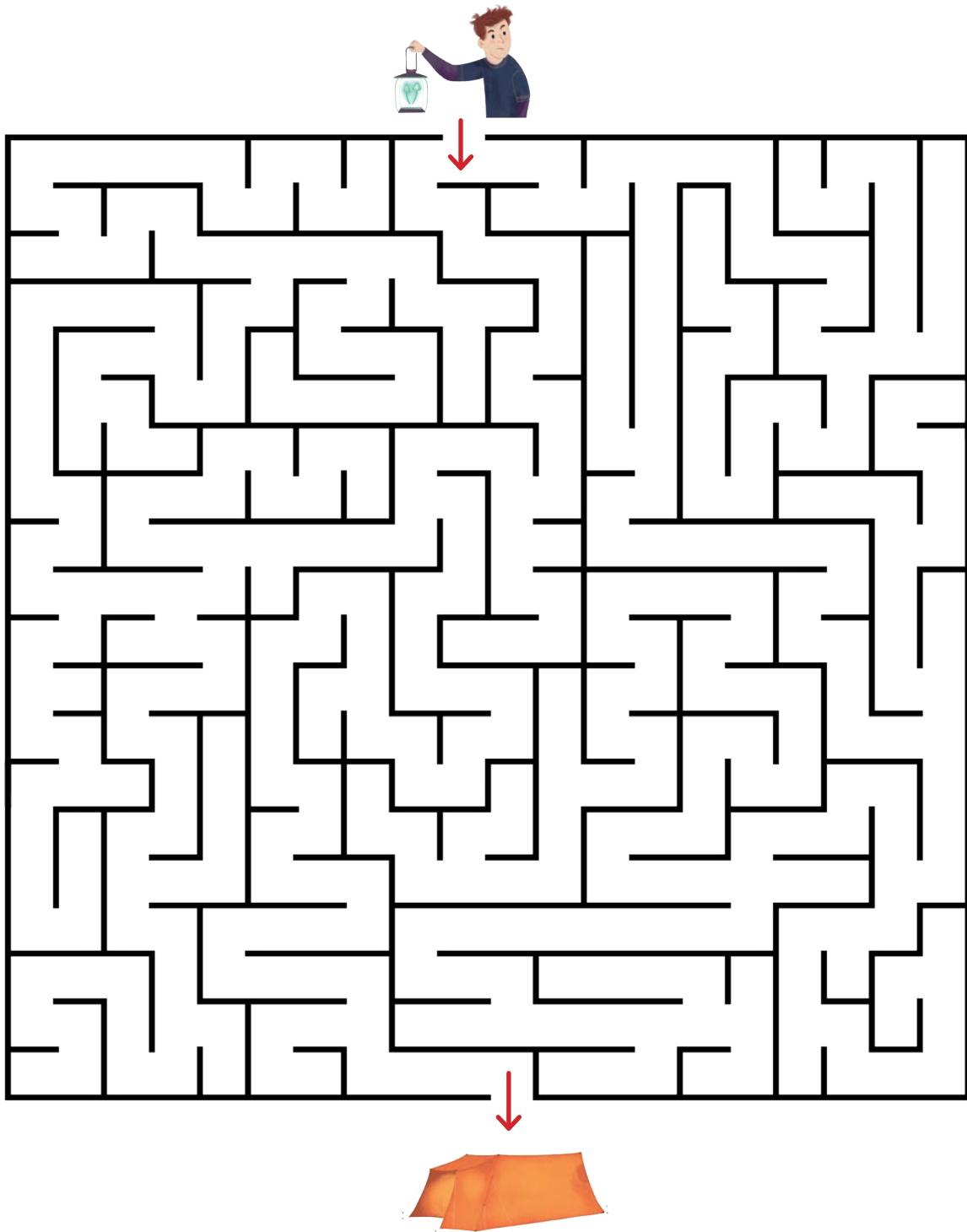
For reference to the Teachers' & Parents' Resources, this goes with 'Living in the Dark: Scene 5'.

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# GLOWING MUSHROOMS

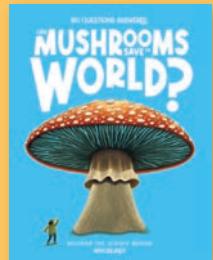
The person has lost their way! Can you help them find their way back to the campsite, using the glowing mushrooms to guide them?



## CAN MUSHROOMS SAVE THE WORLD?

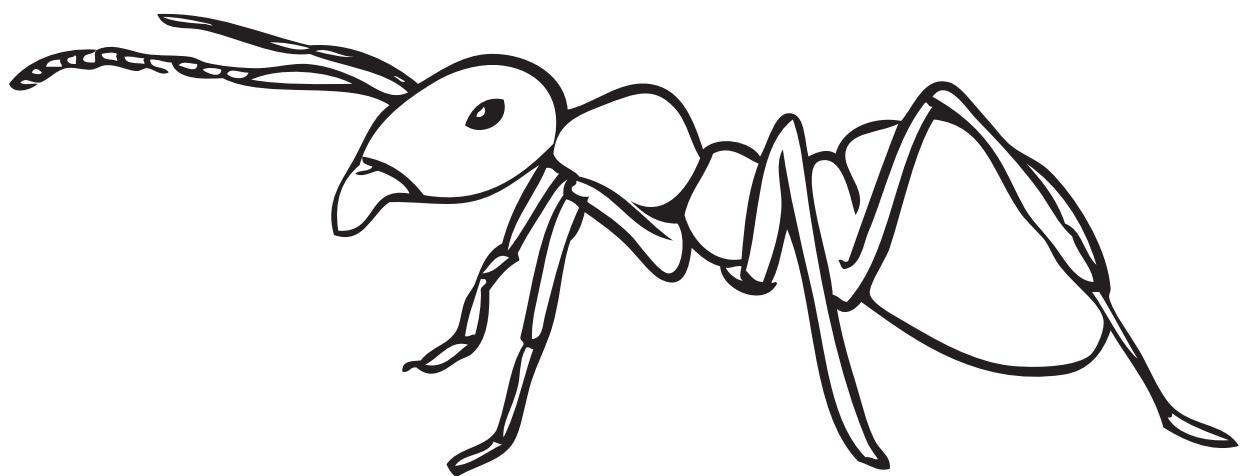
For reference to the Teachers' & Parents' Resources, this goes with 'Zombie Ants: Scene 6'.

[www.thebigquestionsanswered.com](http://www.thebigquestionsanswered.com)



## COOL FUNGI FEATURES

Oh no! The spores of a zombie fungus have landed on an ant. Add some mushrooms to the ant below to turn it into a zombie.



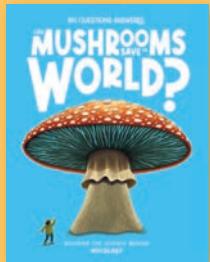
Why not make the mushrooms look as big and crazy as you can!



## CAN MUSHROOMS SAVE THE WORLD?

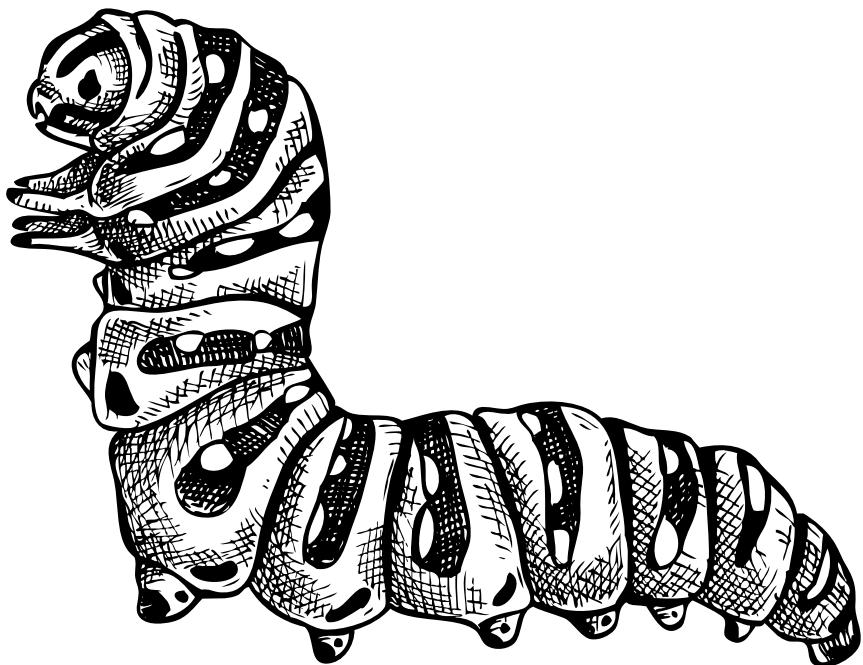
For reference to the Teachers' & Parents' Resources, this goes with 'Zombie Ants: Scene 6'.

[www.thebigquestionsanswered.com](http://www.thebigquestionsanswered.com)



## COOL FUNGI FEATURES

Oh no! The spores of a zombie fungus have landed on a caterpillar! Add some mushrooms to the caterpillar below to turn it into a zombie.

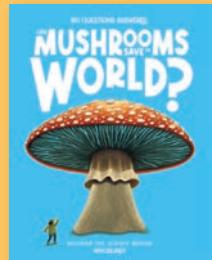


Why don't you make the mushrooms different shapes, sizes, and colours!



For reference to the Teachers' & Parents' Resources, this goes with 'More Like Us Than Plants: Scene 7'.

[www.thebigquestionsanswered.com](http://www.thebigquestionsanswered.com)



## MENACING MUSHROOMS

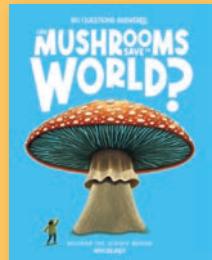
Can you use what you've learnt about how mushrooms are just like us to work out which of the sentences are true and which are false?

	<b>SENTENCE</b>	<b>TRUE</b>	<b>FALSE</b>
1	Mushrooms breathe oxygen.		
2	Mushrooms have teeth like us.		
3	Mushrooms contain the same type of cells as animals.		
4	Mushrooms can move around.		
5	Mushrooms can talk.		
6	Mushrooms are more like us than plants.		

## CAN MUSHROOMS SAVE THE WORLD?

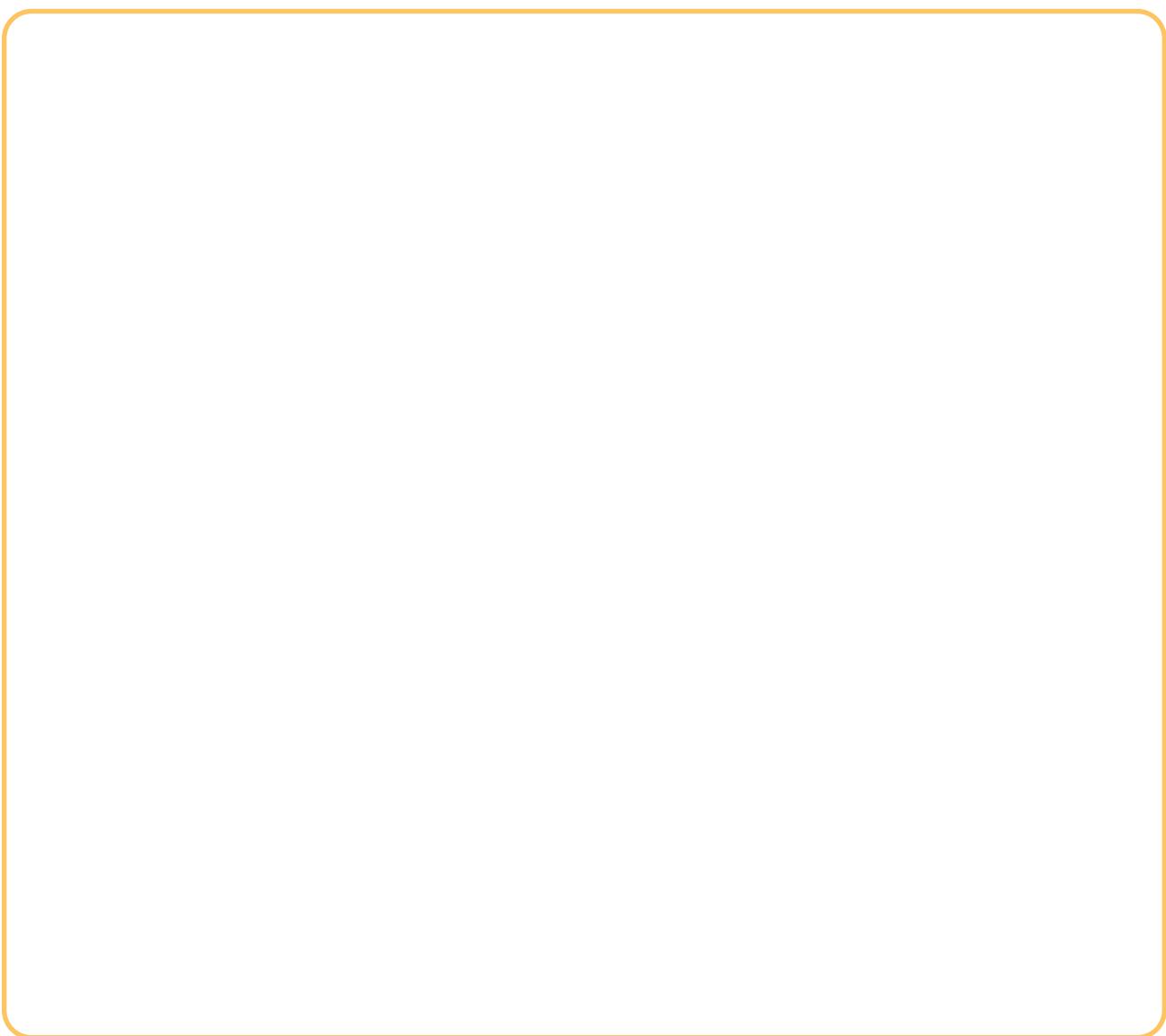
For reference to the Teachers' & Parents' Resources, this goes with 'Life-Saving Mushrooms: Scene 8'.

[www.thebigquestionsanswered.com](http://www.thebigquestionsanswered.com)



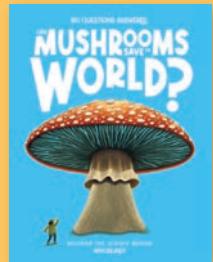
## SUPER-MOULD

Super-Mould is a superhero who has decided to create a medicine made out of fungi!  
Draw what you think Super-Mould looks like below.



Feeling stuck? Try some of these hints...

- What is your superhero wearing?
- Are they wearing a cape? Or maybe they have a magic object like a wand!
- What colour is your superhero?



## SUPER-MOULD COMIC

Now you have drawn what Super-Mould looks like, it's time to go on an adventure. Below are some sentences; draw an image to match each sentence to create your own comic. There are also clues as to what to draw for each image in bold.

Draw a bowl of fresh fruit.

Draw a bowl of fruit with mould growing on it.

Draw a microscope, like in the image in the book.

Super-Mould has brought some fruit from the shop and put it into a bowl to save for later.

Oh no! Super-Mould has left the fruit for too long and it has started to grow mould.

Super-Mould gets the super microscope out to investigate the mould closer.

Draw what you think the mould could look like up close.

Draw what the medicine might look like.

Draw everyone happy and cheering!

Super-Mould looks closely at the mould and sees how strange it looks!

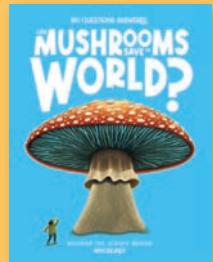
Super-Mould decides to use their superpowers and turn the mould into medicine!

Super-Mould saved the world with the mushroom medicine!

## CAN MUSHROOMS SAVE THE WORLD?

For reference to the Teachers' & Parents' Resources, this goes with 'Oil-Eating Mushrooms: Scene 9'.

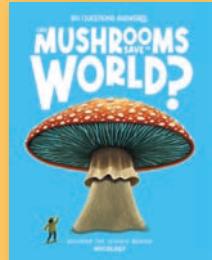
[www.thebigquestionsanswered.com](http://www.thebigquestionsanswered.com)



## OILY CHANGES

There are two scenes below, they look the same but there are actually **8** differences!  
Can you spot them all?





## RUNNING ON MUSHROOM POWER

Can you use the words below to fill in the blanks and learn all about how mushrooms can be used instead of fuel?  
Each answer can only be used once.

Oil

mushrooms

eco-friendly

fuel

environment

1. \_\_\_\_\_ is a chemical substance that does not mix with water.
2. There are lots of different types and uses of oil; some are good for the \_\_\_\_\_ and others can be very harmful!
3. One of the main uses of oil is for \_\_\_\_\_, which is used to power vehicles, like cars and trucks.
4. Mycologists have discovered that \_\_\_\_\_ can be used instead of fuel.
5. Using mushrooms is one way that we can all be more \_\_\_\_\_ and look after our planet the best we can!



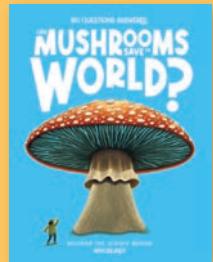
What else do you think mushrooms will be useful for in the future?



## CAN MUSHROOMS SAVE THE WORLD?

For reference to the Teachers' & Parents' Resources, this goes with 'No More Plastic: Scene II'.

[www.thebigquestionsanswered.com](http://www.thebigquestionsanswered.com)



# MUSHROOM WARDROBE

Get creative and draw what everyday items in your wardrobe might look like if they were made out of mushrooms. There are some ideas listed below.

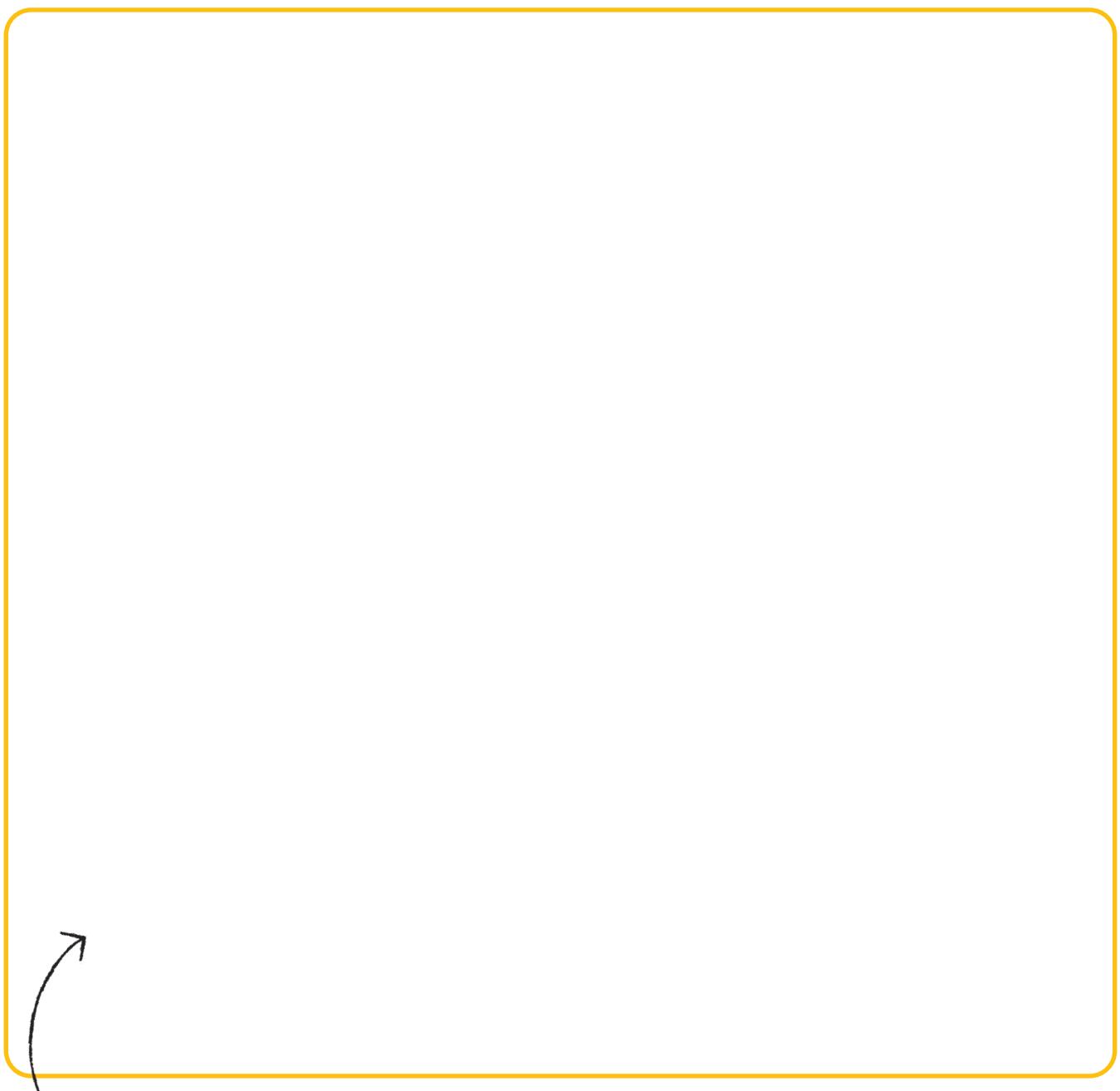
SHOES

COAT

TOP

BAG

SHORTS



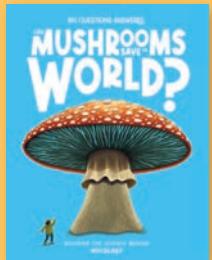
Draw your mushroom clothes in here!



## CAN MUSHROOMS SAVE THE WORLD?

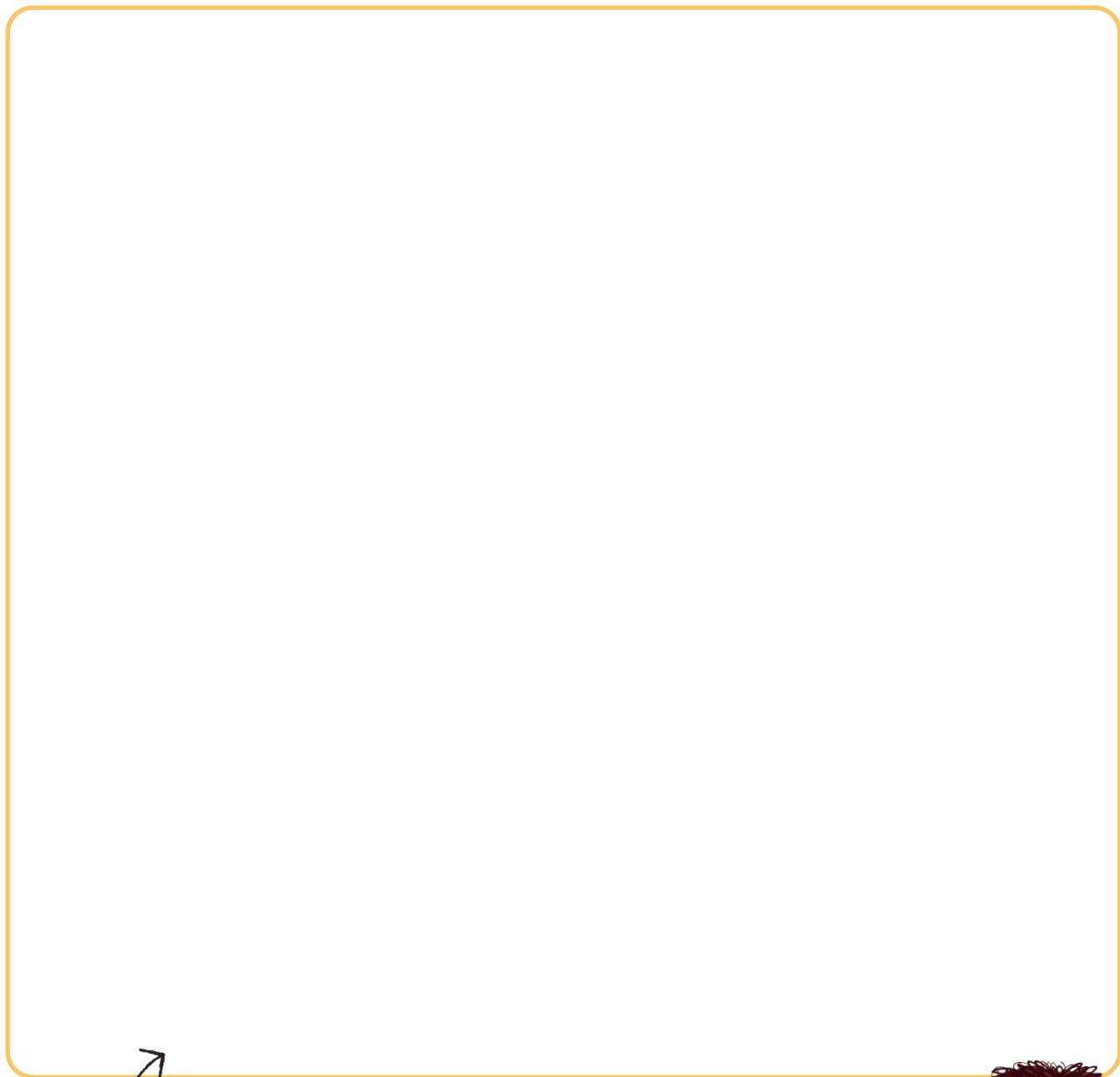
For reference to the Teachers' & Parents' Resources, this goes with 'No More Plastic: Scene II'.

[www.thebigquestionsanswered.com](http://www.thebigquestionsanswered.com)



# MUSHROOM WORLD

Now you've drawn your own mushroom wardrobe, why not see what else you can draw that could be made out of mushrooms? Create a whole mushroom world!



Draw your mushroom world in here!

If you're stuck on ideas on what to draw, here are some to get you started:

- mushroom car or bus
- mushroom house
- mushroom park



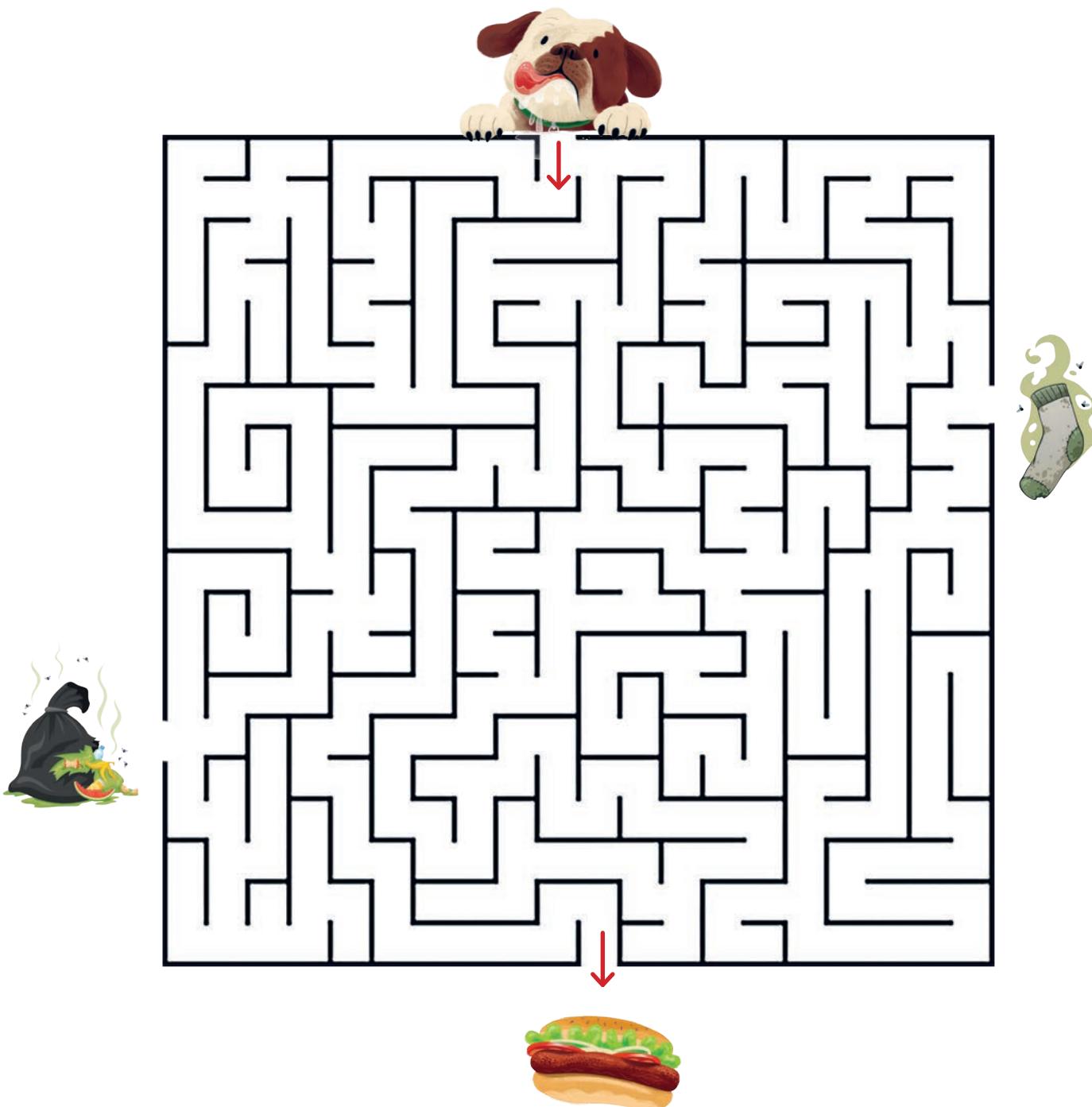
For reference to the Teachers' & Parents' Resources, this goes with 'Mushroom Burger: Scene 12'.

[www.thebigquestionsanswered.com](http://www.thebigquestionsanswered.com)



## TASTY MUSHROOM BURGER

This dog is very hungry and can smell something really tasty on the other side of the maze. Can you help the dog find its way to the mushroom burger?

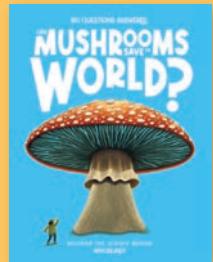




## CAN MUSHROOMS SAVE THE WORLD?

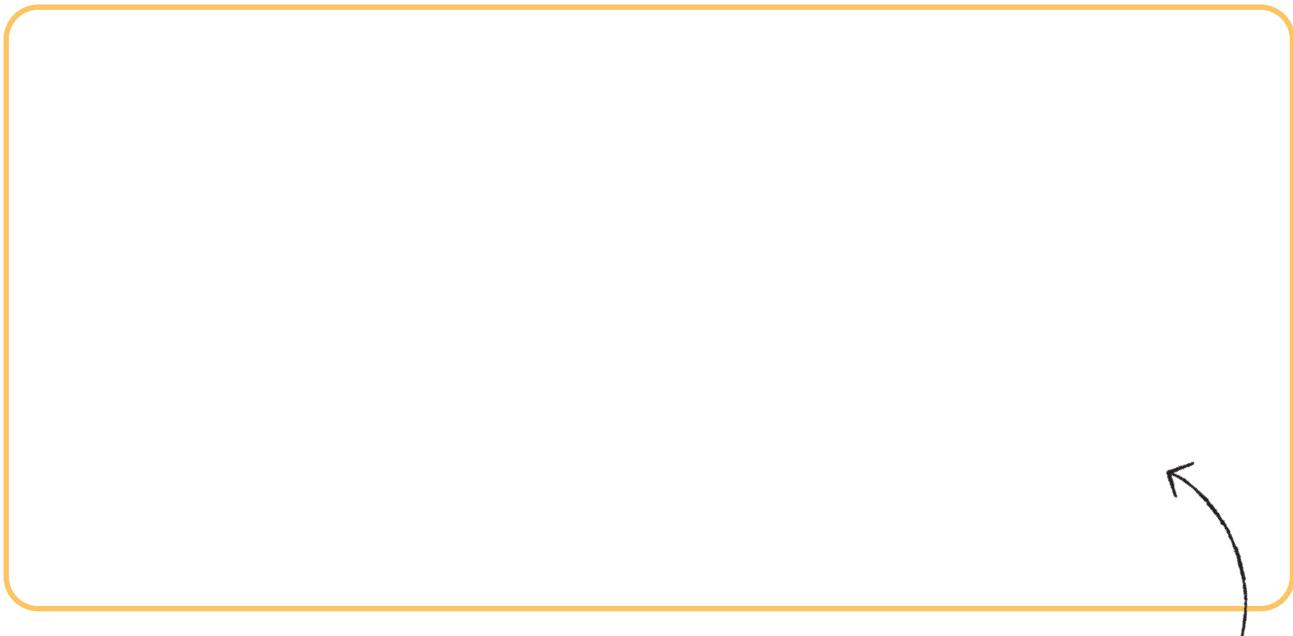
For reference to the Teachers' & Parents' Resources, this goes with 'All Sorts of Mushrooms: Scene 13'.

[www.thebigquestionsanswered.com](http://www.thebigquestionsanswered.com)



## FUNKY FUNGI

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



*Draw your mushroom in here!*

**The mushroom is called:** .....

**This mushroom can grow up to** ..... **tall.**

**This mushroom can be found in:** .....

**This mushroom's main features are:** .....

**A fun fact about this mushroom is:** .....



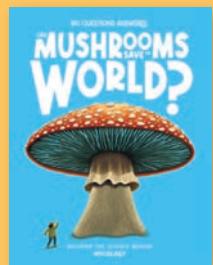
**Why not print this sheet off  
multiple times to create a booklet  
full of lots of different mushrooms!**



## CAN MUSHROOMS SAVE THE WORLD?

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

[www.thebigquestionsanswered.com](http://www.thebigquestionsanswered.com)



# WRITE YOUR OWN MYCOLOGY STORY

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

FUNGI

MYCOLOGIST

MUSHROOM

Handwriting practice lines for the story.

# **MORE FUN MYCOLOGY 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.

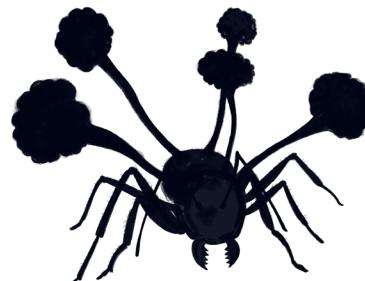
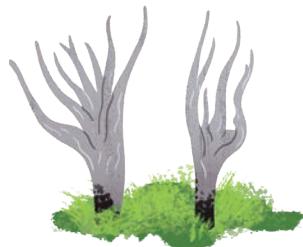
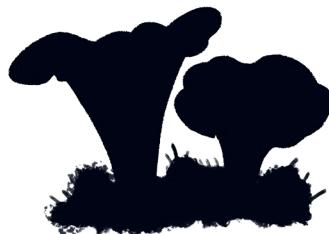
## FIND THE SCIENTIST

There are lots of different scientists below. Can you find the mycologist?  
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



= 5

---



+



-



=



-



+



=



-



+



=



+



+



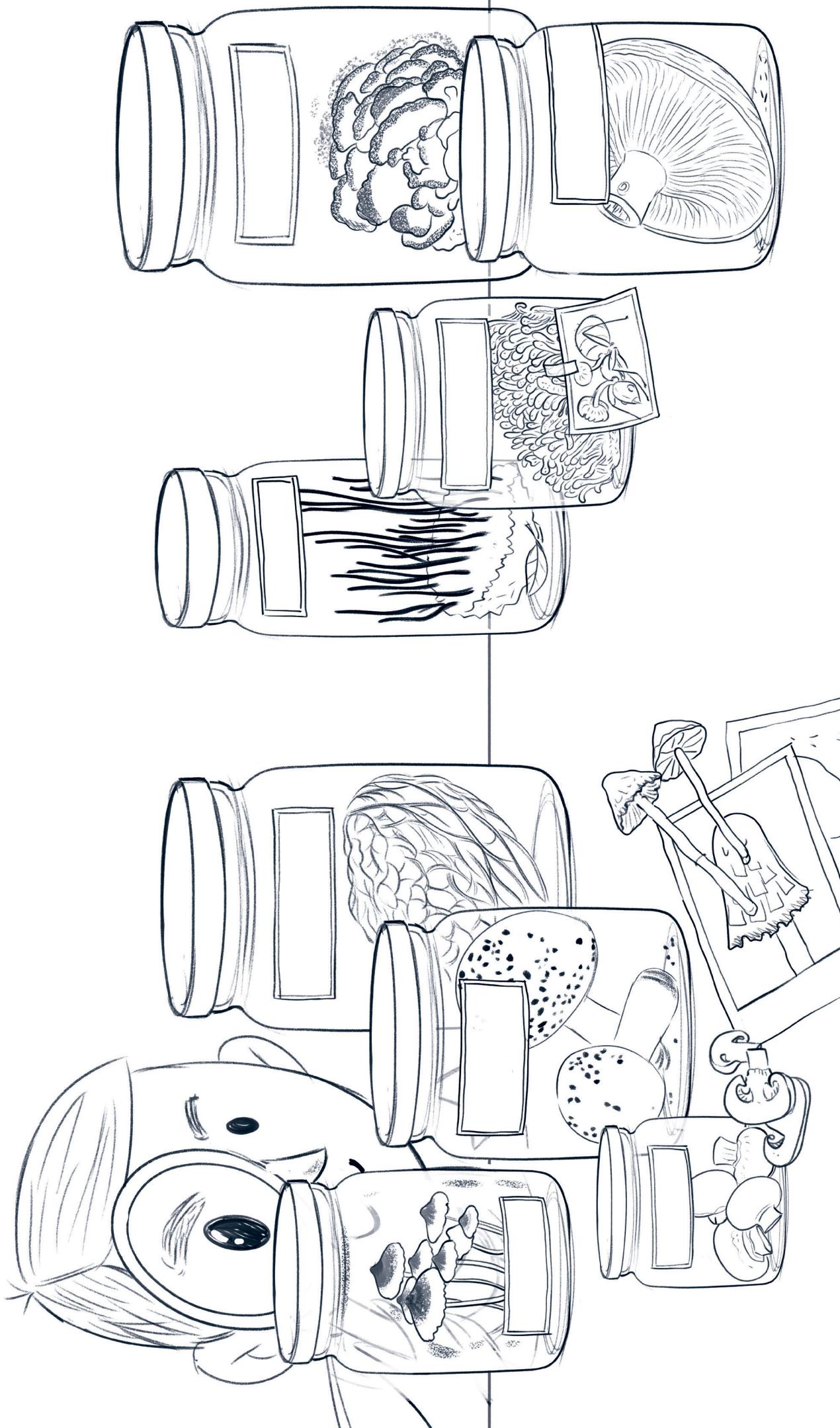
-



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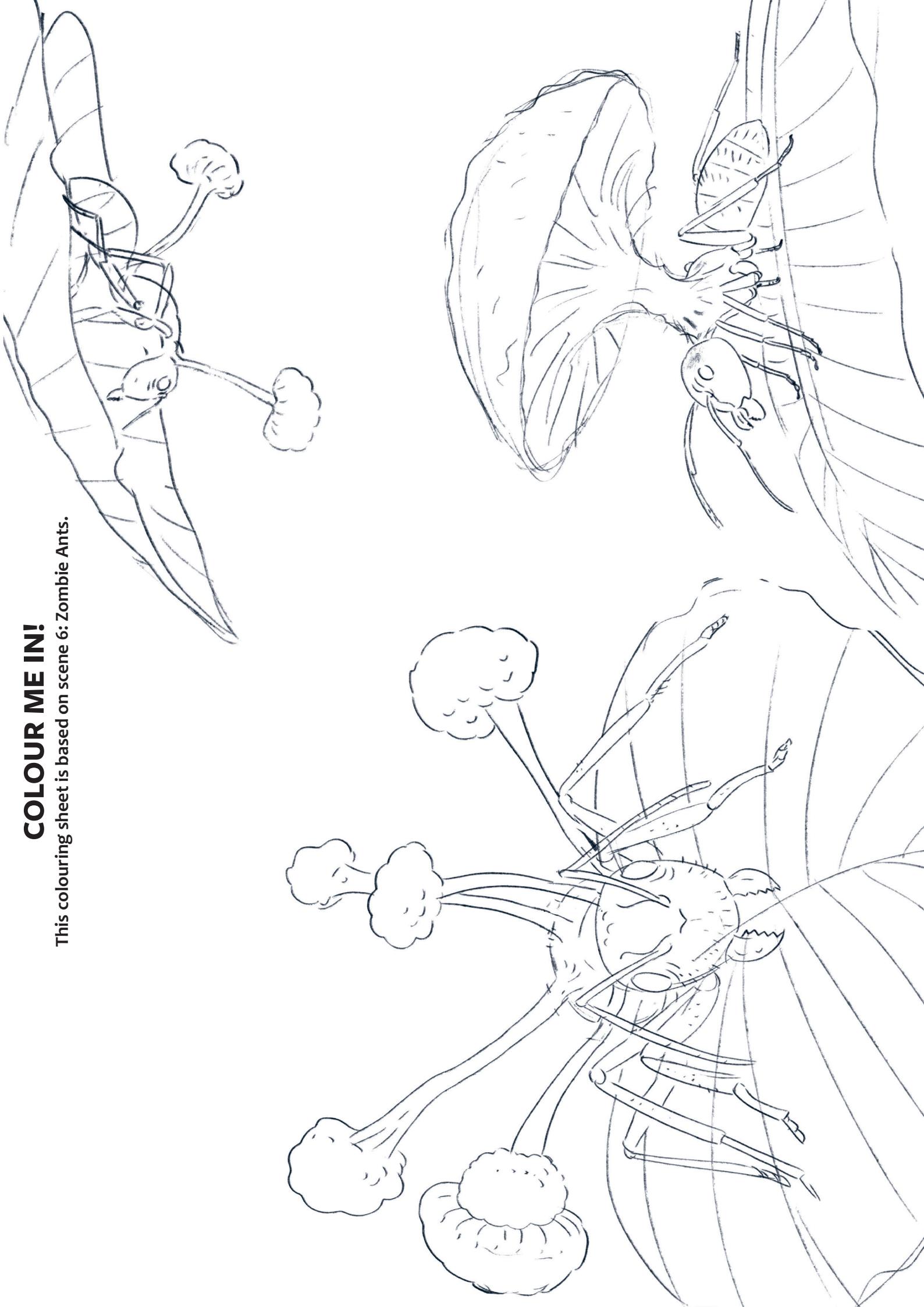
# COLOUR ME IN!

This colouring sheet is based on scene 2: Studying Mushrooms Today.



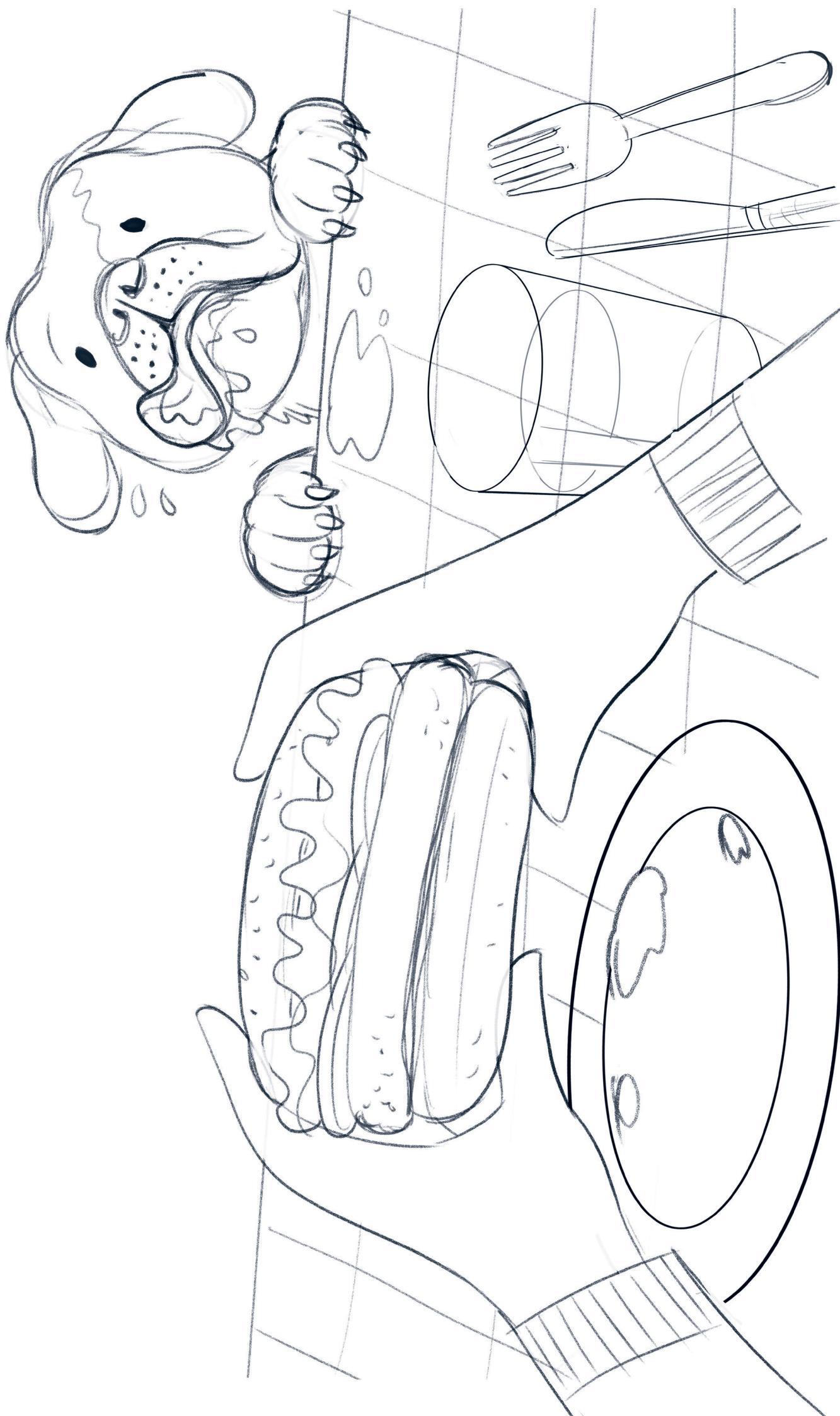
# COLOUR ME IN!

This colouring sheet is based on scene 6: Zombie Ants.



# COLOUR ME IN!

This colouring sheet is based on scene 12: Mushroom Burger.



## 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?



# **YOUNG MYCOLOGISTS' ACTIVITY ANSWERS**

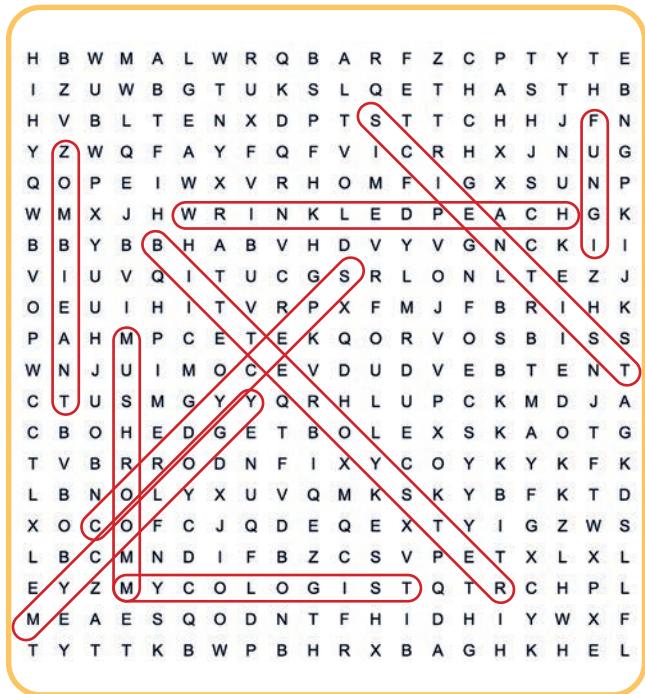
**Find the answers to the activities on the following pages.**

# ACTIVITY ANSWERS

**Check your answers against the correct answers below!**

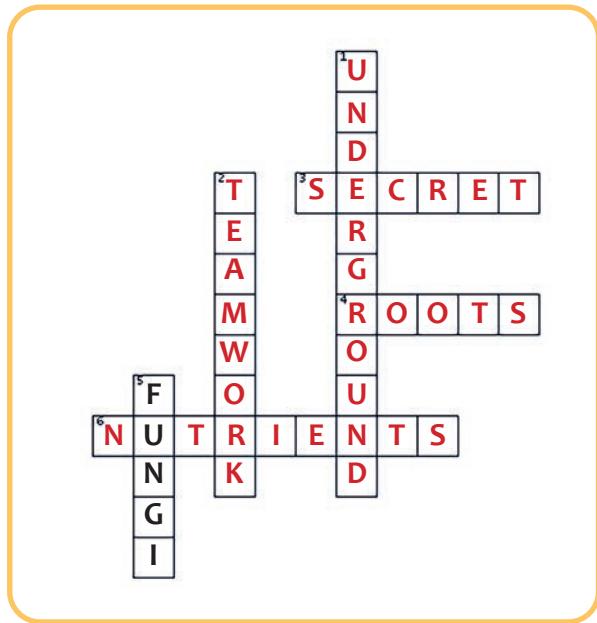
## MISSING MUSHROOM ANSWERS

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



## FUNGI ROOTS ANSWERS

**The answers below are for the ‘crossword’ activity on page 5.**



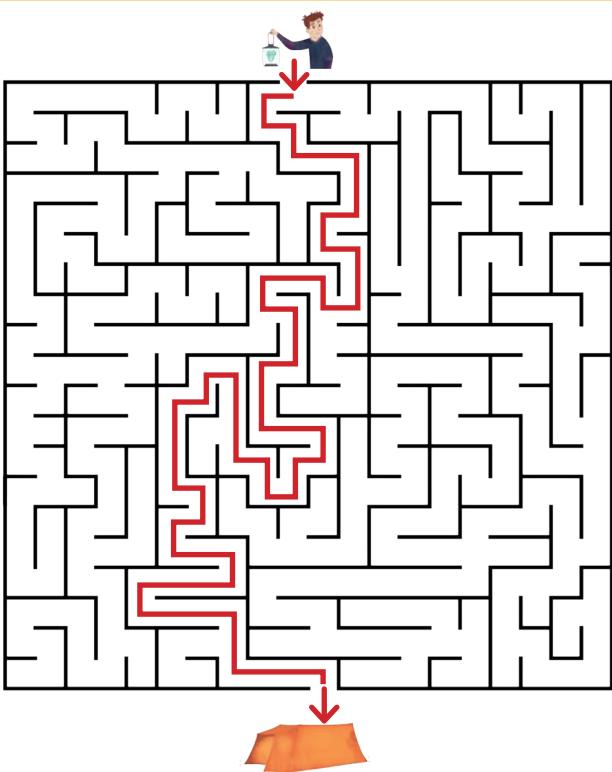
# SPREADING SPORES ANSWERS

The answers below are for the ‘true or false?’ activity on page 6.

	SENTENCE	TRUE	FALSE
1	Spores are mini mushrooms.		FALSE
2	Where spores land, new mushrooms grow!	TRUE	
3	Spores can be carried away by the wind.	TRUE	
4	Mycologists are the scientists who study fungi and mushrooms.	TRUE	
5	Spores can be spread by sneezing.		FALSE

## GLOWING MUSHROOM ANSWERS

The answers below are for the 'maze' activity on page 7.



## MENACING MUSHROOMS ANSWERS

The answers below are for the 'true or false?' activity on page 10.

	SENTENCE	TRUE	FALSE
1	Mushrooms breathe oxygen.	TRUE	
2	Mushrooms have teeth like us.		FALSE
3	Mushrooms contain the same cells as animals.	TRUE	
4	Mushrooms can move around.		FALSE
5	Mushrooms can talk.		FALSE
6	Mushrooms are more like us than plants.	TRUE	

## OILY CHANGES ANSWERS

The answers below are for the 'spot the difference' activity on page 13.



## RUNNING ON MUSHROOM POWER ANSWERS

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

1. Oil is a chemical substance that does not mix with water.
2. There are lots of different types and uses of oil; some are good for the environment and others can be very harmful!
3. One of the main uses of oil is for fuel, which is used to power vehicles, like cars and trucks.
4. Mycologists have discovered that mushrooms can be used instead of fuel.
5. Using mushrooms is one way that we can all be more eco-friendly and look after our planet the best we can!

# EXTRA ACTIVITY ANSWERS

Check your answers against the correct answers below!

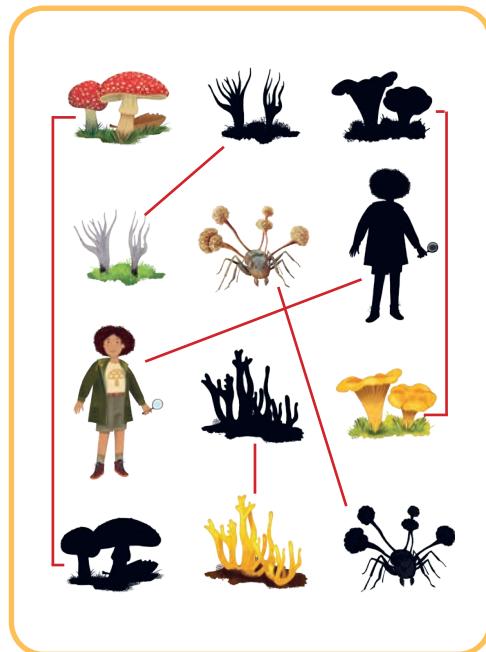
## FIND THE SCIENTIST

The answers below are for the activity on page 21.



## MATCH THE SHAPE

The answers below are for the activity on page 22.



## SIMPLE SUMS

The answers below are for the activity on page 23.

$$\text{Two red mushrooms} + \text{One red crab} - \text{One person} = 7$$

$$\text{One red crab} - \text{One person} - \text{One person} + \text{Two red mushrooms} = 6$$

$$\text{Two red mushrooms} - \text{One person} + \text{Two red mushrooms} = 5$$

$$\text{Three red mushrooms} + \text{Three red mushrooms} + \text{Three red mushrooms} - \text{One red crab} = 4$$