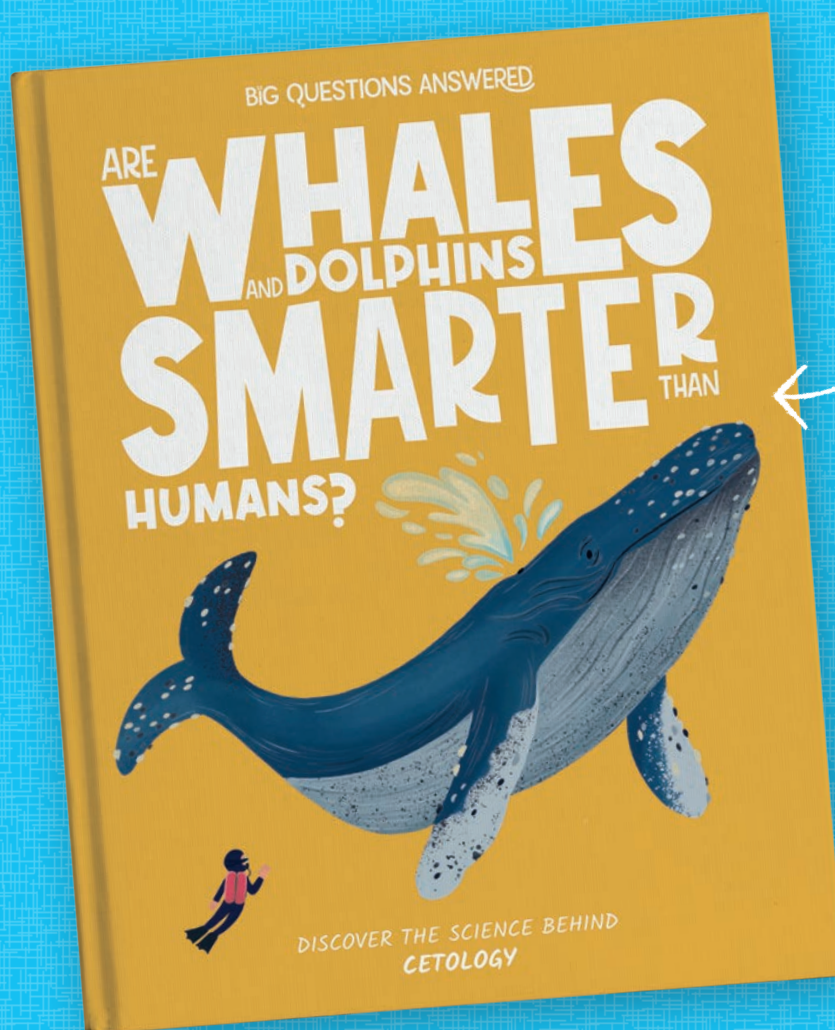
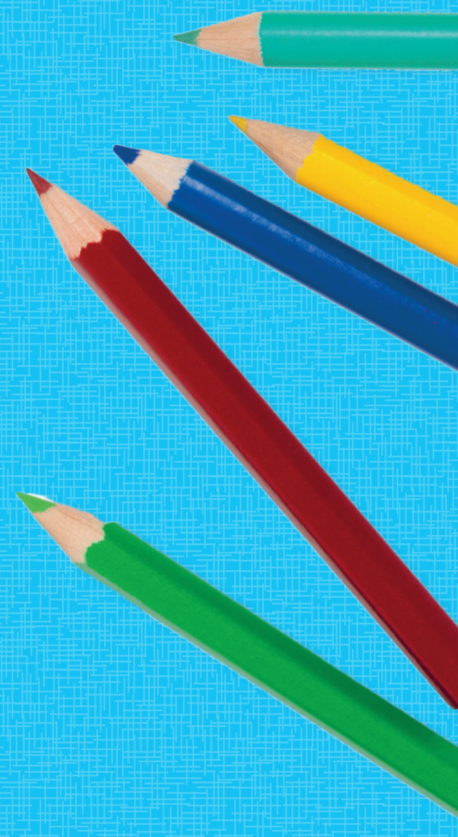


THE BIG QUESTIONS ANSWERED

# YOUNG CETOLOGISTS' 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)

Shutterstock: Svitlana Tytska 9(whales); Tany Gust 10m.

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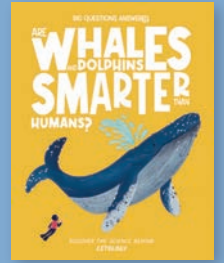




# ARE WHALES AND DOLPHINS SMARTER THAN HUMANS?

*For reference to the Teachers' & Parents' Resources, this goes with 'Cetologists Start Their Research: Scene 2'.*

*www.thebigquestionsanswered.com*



## EXPLORING THE DEPTHS

Get creative and draw how you might look next to these huge marine mammals in the ocean. Draw as many whales, dolphins, and porpoises as you can, and don't forget to include yourself in your diving gear!

A large, empty rectangular box with a blue border, intended for drawing a scene in the ocean.

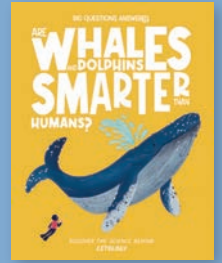
*Draw your scene in here!*



# ARE WHALES AND DOLPHINS SMARTER THAN HUMANS?

For reference to the Teachers' & Parents' Resources, this goes with 'Impressive Problem-Solving: Scene 3'.

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



## FIN-TASTIC DOLPHIN TACTICS

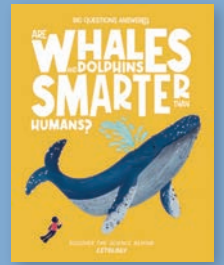
Can you use what you've learnt about whales and dolphins so far to work out which of the sentences are true and which are false?

	SENTENCE	TRUE	FALSE
1	Whales and dolphins are excellent problem-solvers.		
2	Some dolphins use their tails to make rings of bubbles.		
3	The rings of bubbles dolphins make are called bubble nets.		
4	Dolphins make rings of bubbles to show off to other dolphins.		
5	Dolphins make rings of bubbles to trap their prey in one place.		
6	Whales are the only animal that creates rings of bubbles.		

# ARE WHALES AND DOLPHINS SMARTER THAN HUMANS?

For reference to the Teachers' & Parents' Resources, this goes with 'Using Tools: Scene 4'.

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



## DOLPHINS DIY

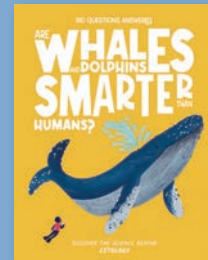
These cheeky dolphins are having a whale of a time using their sea tools! Can you spot the **10** differences between the two scenes? Circle them when you spot them.



# ARE WHALES AND DOLPHINS SMARTER THAN HUMANS?

For reference to the Teachers' & Parents' Resources, this goes with 'Chatting Away at Sea: Scene 5'.

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



## DOLPHIN CHATTER

You are swimming underwater with a dolphin when it starts to make some noises. It sounds like the dolphin is trying to communicate with you! Can you use the code below to work out what it is saying? Once you've read the message, write your response using the code.

A	B	C	D	E	F	G	H	I	J	K	L	M

N	O	P	Q	R	S	T	U	V	W	X	Y	Z

,

?

7

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# ARE WHALES AND DOLPHINS SMARTER THAN HUMANS?

For reference to the Teachers' & Parents' Resources, this goes with 'Can You Remember When?: Scene 6'.

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



## WONDERFUL WHALE FACTS

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

Draw your whale in here!

Type of whale: .....

This whale lives up to: .....

This whale has cool features, such as: .....

.....

A fun fact about this whale is: .....

.....

.....



Why not print this sheet off multiple times to create a cetology booklet full of different whales!

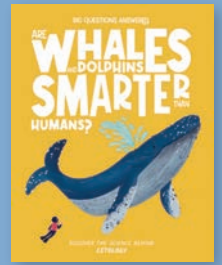




# ARE WHALES AND DOLPHINS SMARTER THAN HUMANS?

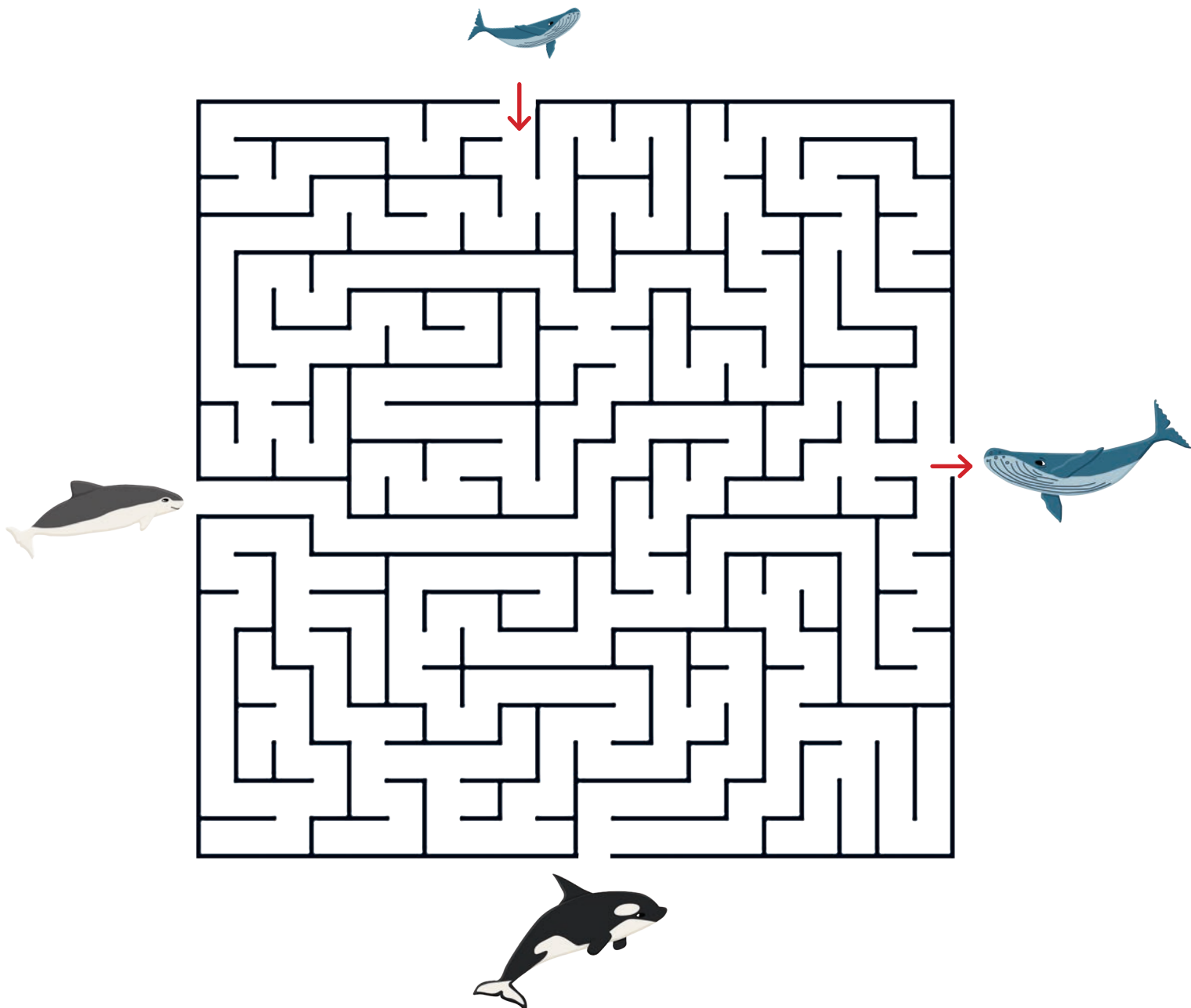
For reference to the Teachers' & Parents' Resources, this goes with 'Family Comes First: Scene 7'.

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



## LOST AT SEA

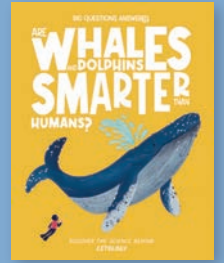
This baby whale has lost its way out at sea. Can you help it find its way back to its parent?



# ARE WHALES AND DOLPHINS SMARTER THAN HUMANS?

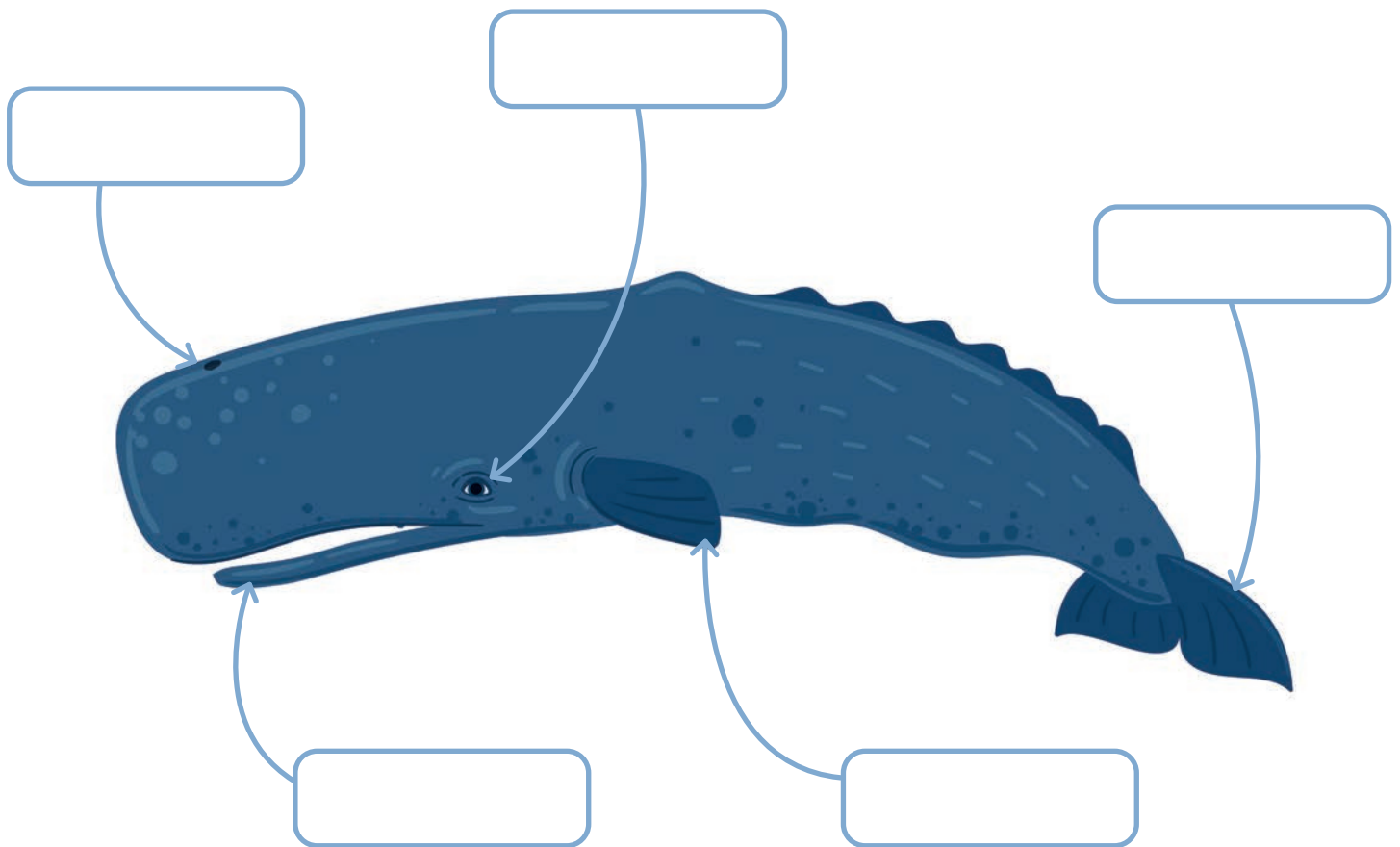
For reference to the Teachers' & Parents' Resources, this goes with 'Big Brains: Scene 8'.

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



## WHALE ANATOMY

Whales come in all shapes and sizes. Can you fill in the boxes to label this whale's body parts? Each answer can only be used once.



BLOWHOLE

FLIPPER

MOUTH

EYE

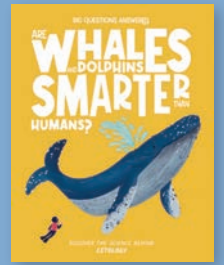
TAIL FLUKE



# ARE WHALES AND DOLPHINS SMARTER THAN HUMANS?

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

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



## BEDTIME IN THE BLUE

This sperm whale is sleeping on its own out at sea. Get creative and draw some whale, dolphin, and porpoise friends to keep it company!



*Draw your scene in here!*

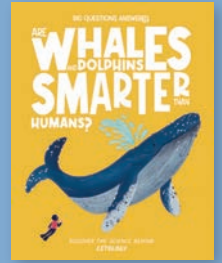




# ARE WHALES AND DOLPHINS SMARTER THAN HUMANS?

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

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



## MAKING WHALE FRIENDS

Whales and dolphins really are amazing creatures. As we've seen in the main book, whales and dolphins are very clever. Reflect on the topics covered in the book and consider what you think about each aspect by answering the questions below.

If you had the chance, what would you ask a dolphin or whale?

.....

.....

.....

What do you think dolphins and whales sound like when they speak to each other?

.....

.....

.....

What 3 things would you take with you to explore the oceans and visit these amazing creatures?

.....

.....

.....

Have you ever seen a dolphin or whale in real life? If so, what was it like? If you haven't, would you like to? What whale or dolphin would you like to see the most?

.....

.....

.....

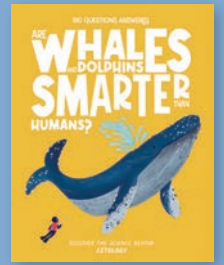




# ARE WHALES AND DOLPHINS SMARTER THAN HUMANS?

For reference to the Teachers' & Parents' Resources, this goes with 'Impact on Our Planet: Scene II'.

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



## WHALES HELPING THE WORLD

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

oxygen

carbon dioxide

nutrients

whale pump

phytoplankton

climate change

healthy

1. Whales play a very important role in keeping our world \_\_\_\_\_.
2. For example, whales play a crucial role in helping to tackle \_\_\_\_\_.
3. By eating \_\_\_\_\_, whales absorb \_\_\_\_\_ from the ocean. This produces 50% of the \_\_\_\_\_ we breathe.
4. When whales poop, feed, and dive from the water's surface to the depths of the ocean, they are taking part in a \_\_\_\_\_.
5. This allows essential \_\_\_\_\_ to be spread across the ocean, helping other animals to thrive.



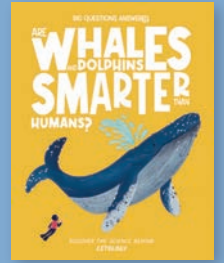
What's your favourite whale or dolphin fact?



# ARE WHALES AND DOLPHINS SMARTER THAN HUMANS?

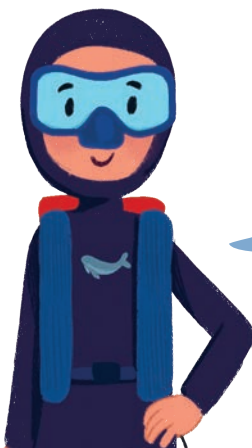
*For reference to the Teachers' & Parents' Resources, this goes with 'Terrific Teamwork: Scene 12'.*

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



## WONDER WHALE

Wonder Whale is a superhero who rescues people who are in trouble out at sea!  
Draw what you think Wonder Whale looks like below.

A large, empty rectangular box with a light blue border, intended for a child to draw their idea of Wonder Whale.

**Feeling stuck? Try some of these hints...**

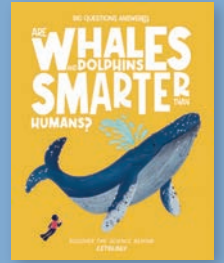
- What is Wonder Whale wearing?
- Are they wearing a cape?
- What colour is Wonder Whale?



# ARE WHALES AND DOLPHINS SMARTER THAN HUMANS?

*For reference to the Teachers' & Parents' Resources, this goes with 'Terrific Teamwork: Scene 12'.*

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



## WONDER WHALE SAVES THE DAY

Below are some sentences.

Draw a picture to match each sentence and create your own comic.



Oh no! A pod of dolphins are being chased by sharks! Who will save them?



Don't worry! Wonder Whale is here to scare the sharks away!



Oh dear! A baby whale is lost out at sea. Where has its family gone?



Look! Here comes Wonder Whale to lead the baby back home.



Watch out! There are some porpoises trapped behind some rocks.



Well done, Wonder Whale, for saving the day!



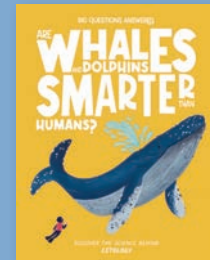
Have a go at writing your own comic strip and drawing pictures for it on a blank piece of paper!



# ARE WHALES AND DOLPHINS SMARTER THAN HUMANS?

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

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



## WHALE-Y GREAT WORDS

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

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

CETOLOGIST  
CETOLOGY  
WHALE  
DOLPHIN

PORPOISE  
SPECIES  
CETACEANS

FIN  
BLOWHOLE  
TAIL





# **MORE FUN CETOLOGY 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.

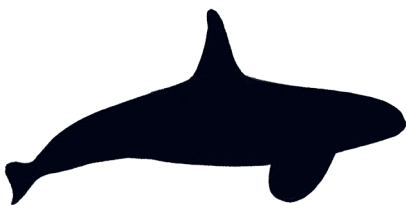
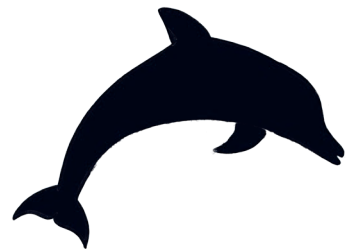
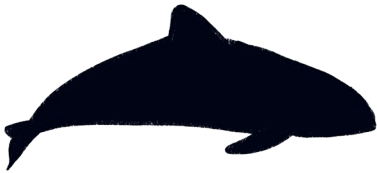
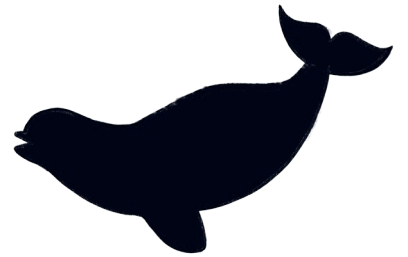
## FIND THE SCIENTIST

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








= 6

---

 +  -  -  =

 +  -  +  =

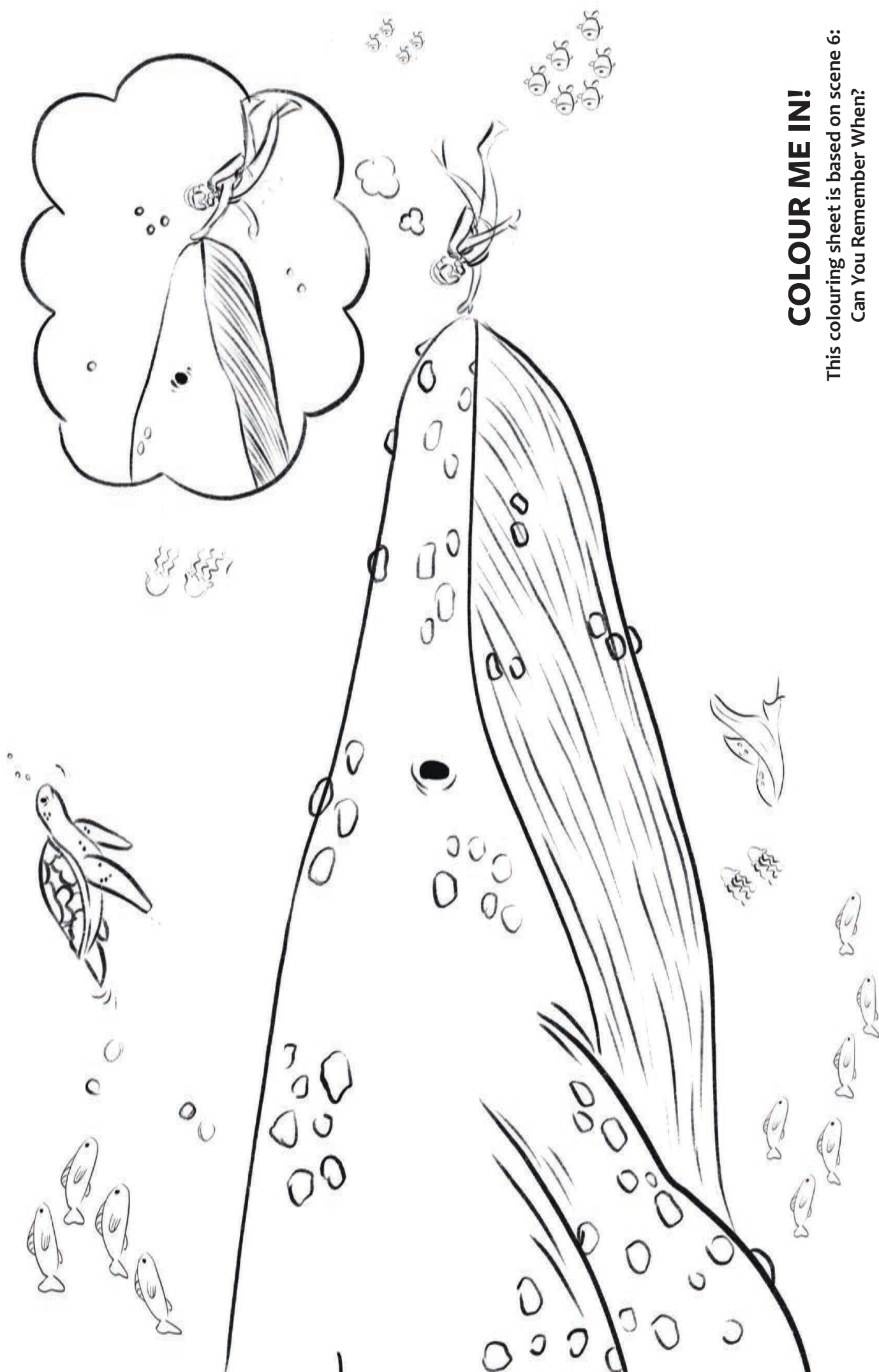
 +  +  +  +  =

 +  -  +  =



## COLOUR ME IN!

This colouring sheet is based on scene 2:  
Cetologists Start Their Research.



## COLOUR ME IN!

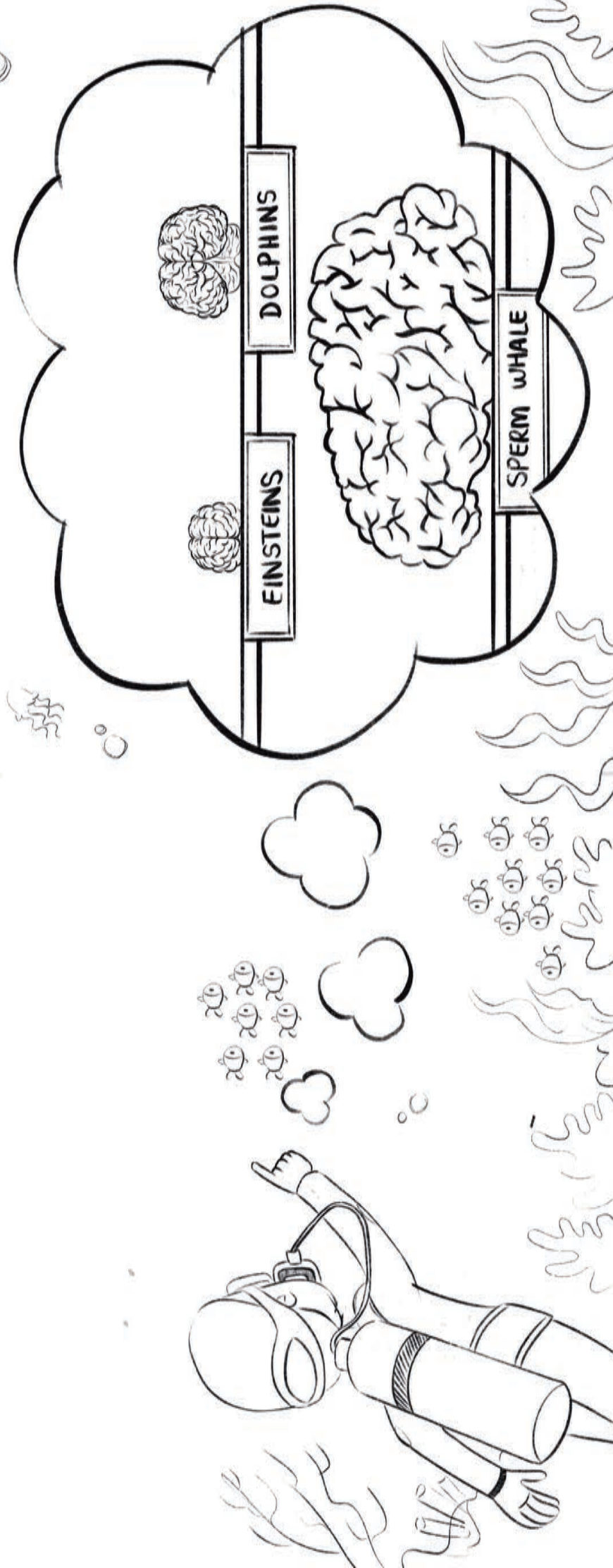
This colouring sheet is based on scene 6:

Can You Remember When?

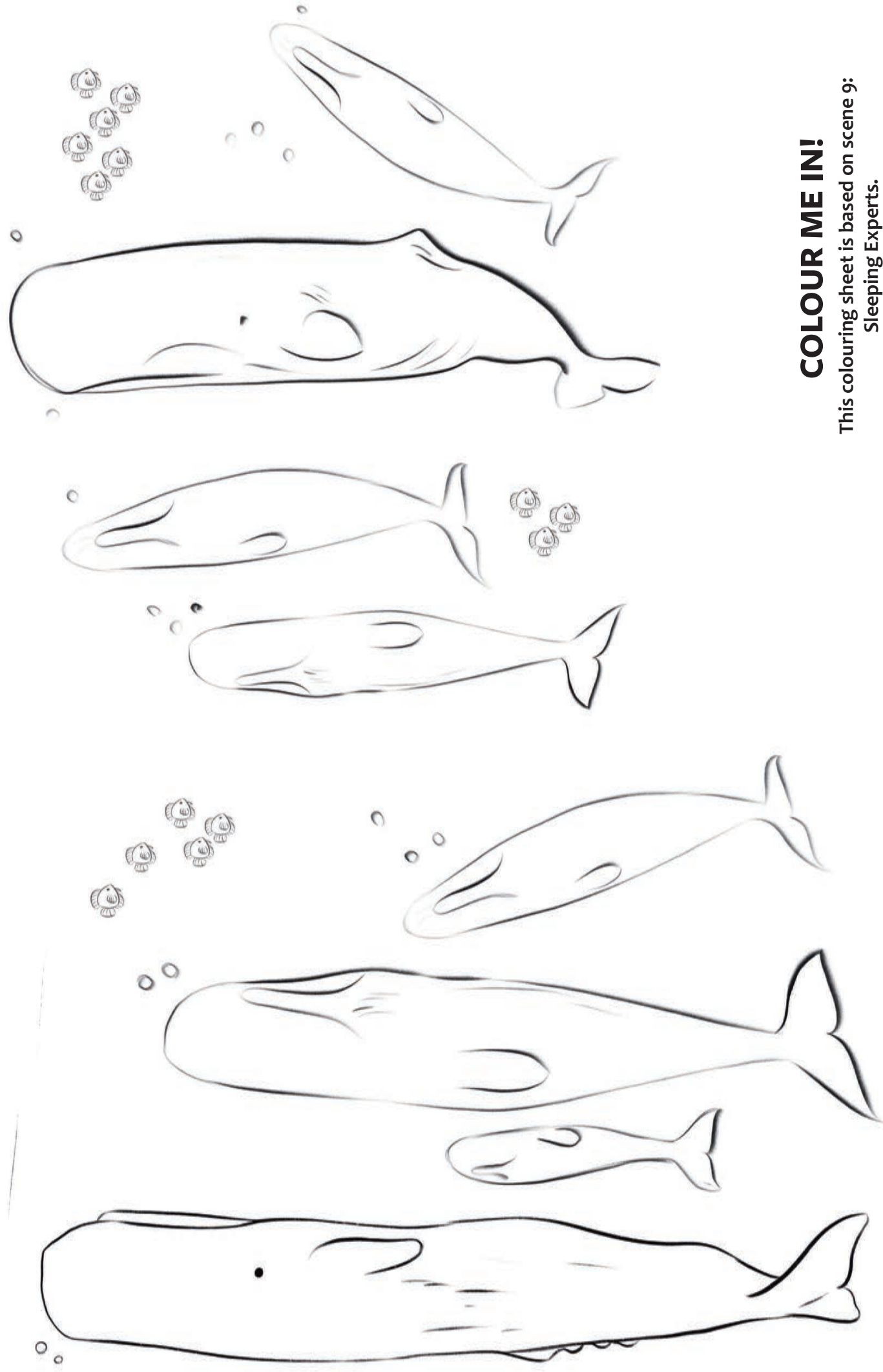


# COLOUR ME IN!

This colouring sheet is based on scene 8: Big Brains.





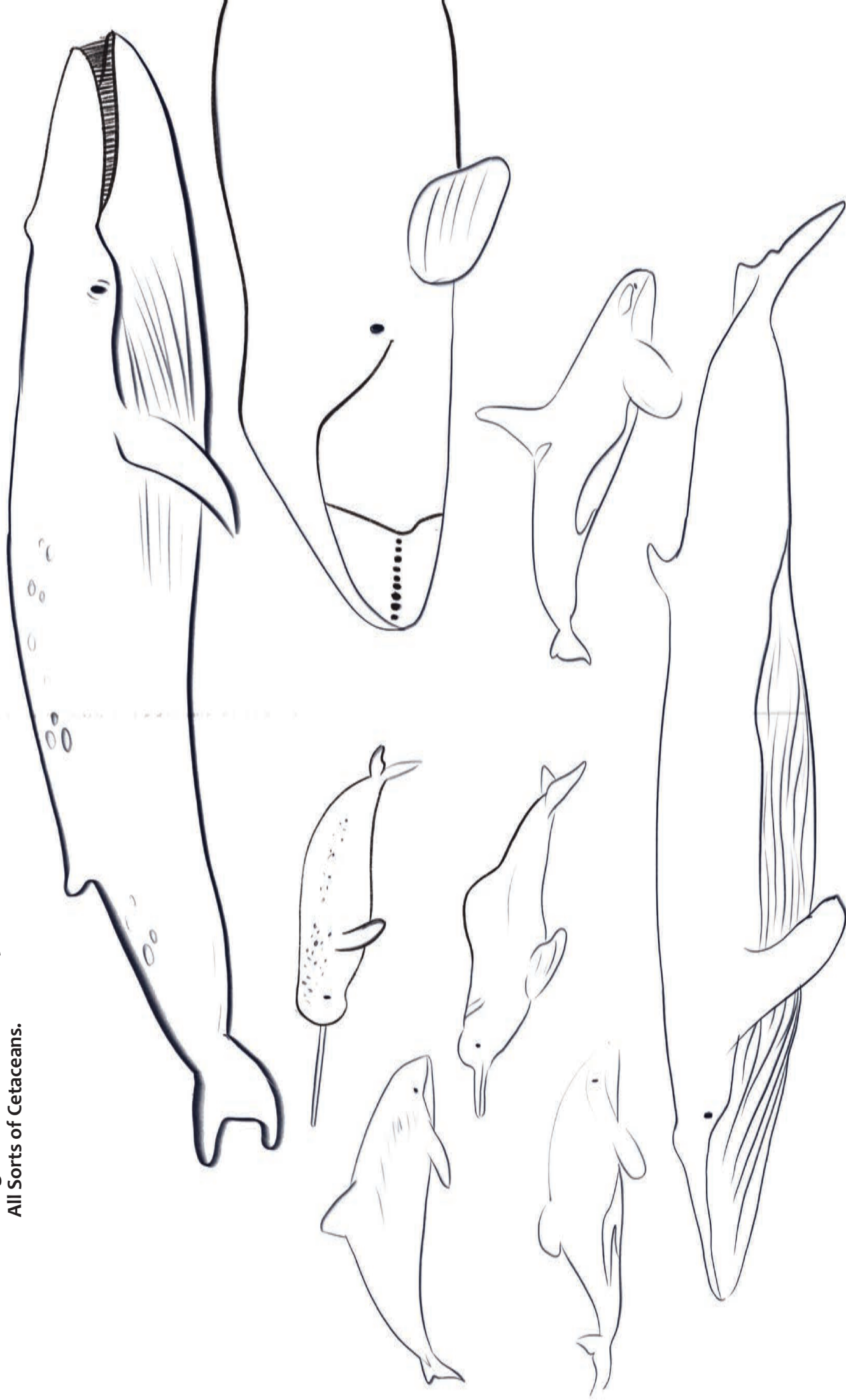


## COLOUR ME IN!

This colouring sheet is based on scene 9:  
Sleeping Experts.

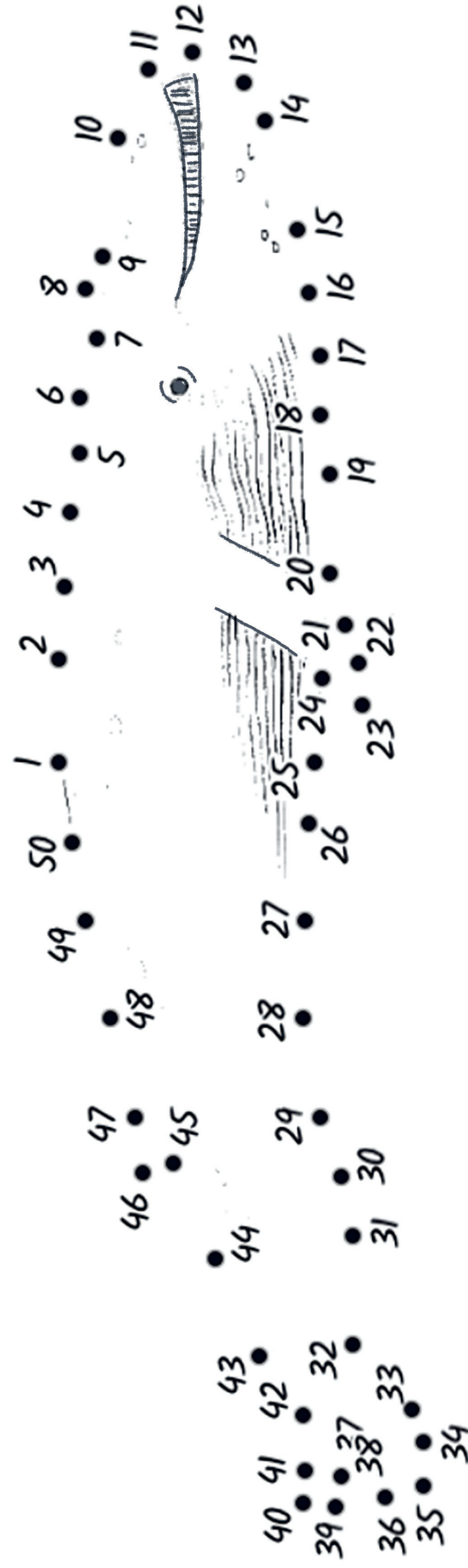
# COLOUR ME IN!

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



# 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 CETOLOGISTS' ACTIVITY ANSWERS**

Find the answers to the activities on the following pages.



# ACTIVITY ANSWERS

Check your answers against the correct answers below!

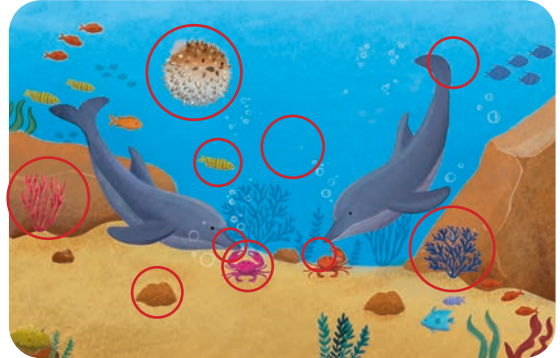
## FIN-TASTIC DOLPHIN TACTICS ANSWERS

The answers below are for the 'true or false?' activity on page 5.

	SENTENCE	TRUE	FALSE
1	Whales and dolphins are excellent problem-solvers.	TRUE	
2	Some dolphins use their tails to make rings of bubbles.		FALSE
3	The rings of bubbles dolphins make are called bubble nets.	TRUE	
4	Dolphins make rings of bubbles to impress other dolphins.		FALSE
5	Dolphins make rings of bubbles to trap their prey in one place.	TRUE	
6	Whales are the only animal that creates rings of bubbles.		FALSE

## DOLPHIN DIY ANSWERS

The answers below are for the 'spot the difference' activity on page 6.



## DOLPHIN CHATTER ANSWERS

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

HELLO

UNDERWATER

HUMAN,

WOULD

YOU

LIKE TO

CATCH

SOME

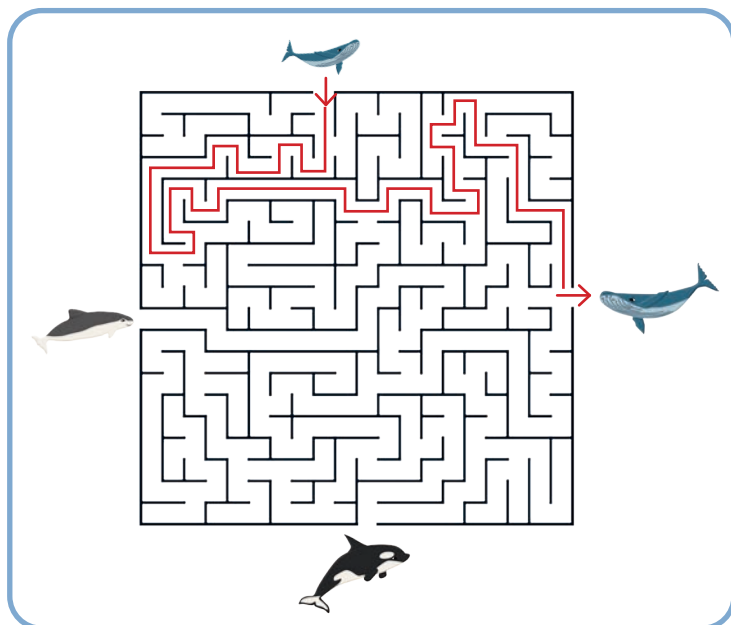
FISH

WITH

ME ?

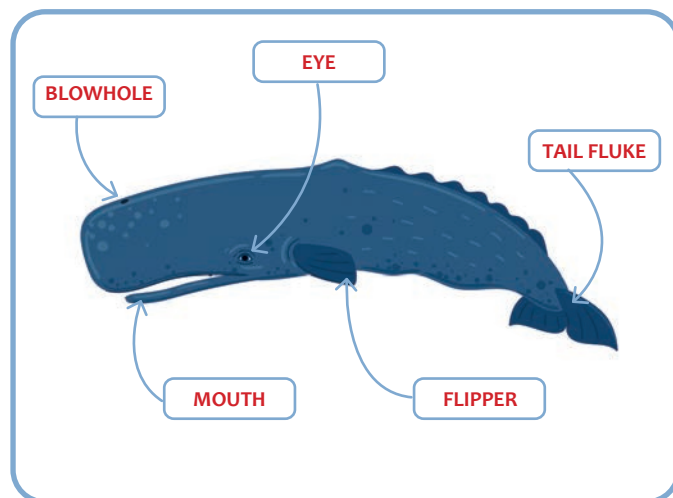
## LOST AT SEA ANSWERS

The answers below are for the 'maze' activity on page 9.



## WHALE ANATOMY ANSWERS

The answers below are for the 'label the part' activity on page 10.



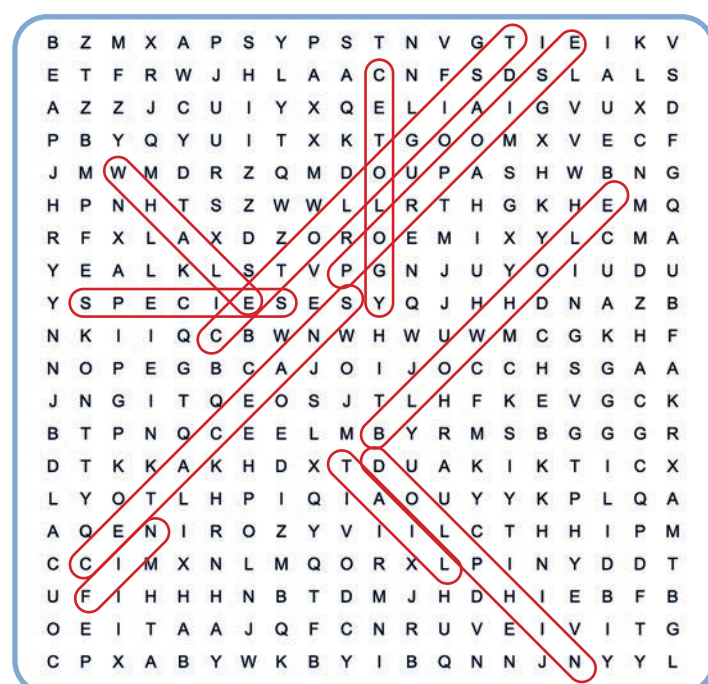
## WHALES HELPING THE WORLD ANSWERS

The answers below are for the 'fill in the blanks' activity on page 13.

- Whales play a very important role in keeping our world healthy.
- For example, whales play a crucial role in helping to combat climate change.
- By eating phytoplankton, whales absorb carbon dioxide from the ocean. This produces 50% of the oxygen we breathe.
- When whales poop, feed, and dive from the water's surface to the depths of the ocean, they are taking part in a whale pump.
- This allows essential nutrients to be spread across the ocean, helping other animals to thrive.

## WHALE-Y GREAT WORDS ANSWERS

The answers below are for the 'word search' activity on page 16.



# EXTRA ACTIVITY ANSWERS

Check your answers against the correct answers below!

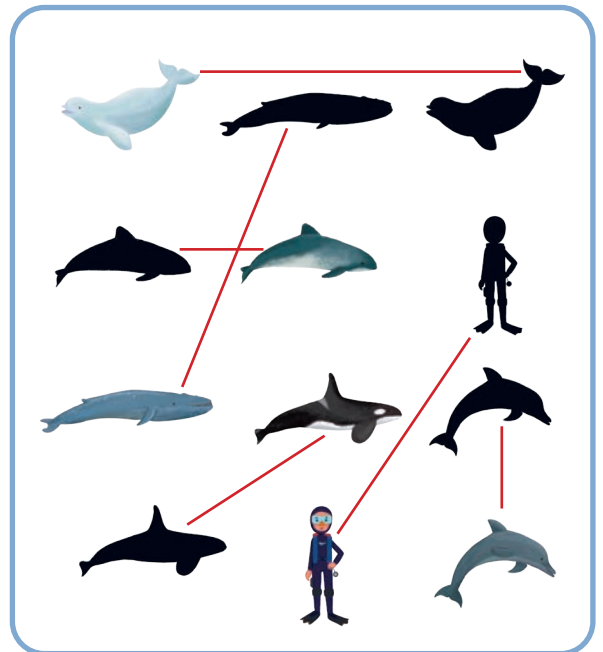
## FIND THE SCIENTIST

The answers below are for the activity on page 19.



## MATCH THE SHAPE

The answers below are for the activity on page 20.



## SIMPLE SUMS

The answers below are for the activity on page 21.

$$\text{Whale} + \text{Whale} - \text{Scientist} - \text{Scientist} = 10$$

$$\text{Whale} + \text{Scientist} - \text{Dolphin} + \text{Scientist} = 5$$

$$\text{Scientist} + \text{Scientist} + \text{Scientist} + \text{Scientist} + \text{Dolphin} = 7$$

$$\text{Dolphin} + \text{Whale} - \text{Scientist} + \text{Dolphin} = 11$$