

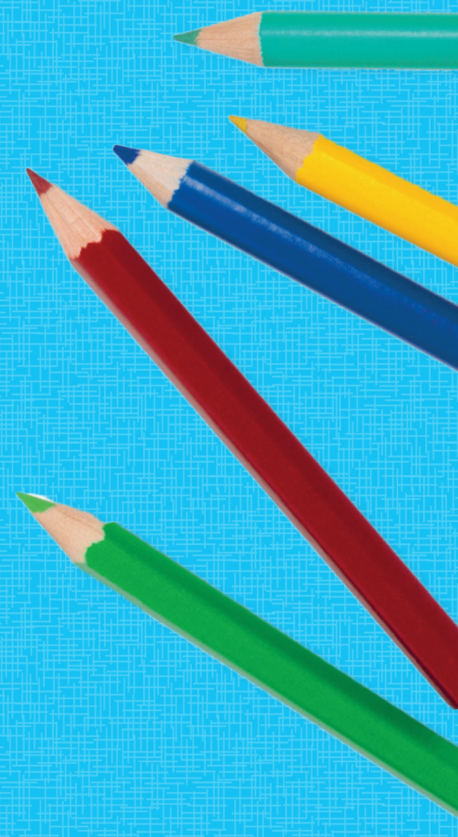
THE BIG QUESTIONS ANSWERED

YOUNG PALAEOONTOLOGISTS'

ACTIVITY PACK



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



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IS THIS THE BIGGEST DINOSAUR EVER?

For reference to the Teachers' & Parents' Resources, this goes with 'Fossil Detectives: Scene 2'.

www.thebigquestionsanswered.com



FOSSIL HUNT

Can you match up the skeleton with the picture of that dinosaur?
Draw a line between each picture of the dinosaur and their skeleton.

I am a...
STEGOSAURUS



○

I am a...
**TYRANNOSAURUS
REX**



○

I am a...
**PATAGOTITAN
MAYORUM**



○

I am a...
TRICERATOPS



○

○



Fact:
I'm the biggest
dinosaur ever!

○



Fact:
I'm a huge
meat-eating
dinosaur. Everyone's
scared of me!

○



Fact:
My big horns help
me protect myself.

○



Fact:
I have huge
bony plates along
my back.

IS THIS THE BIGGEST DINOSAUR EVER?

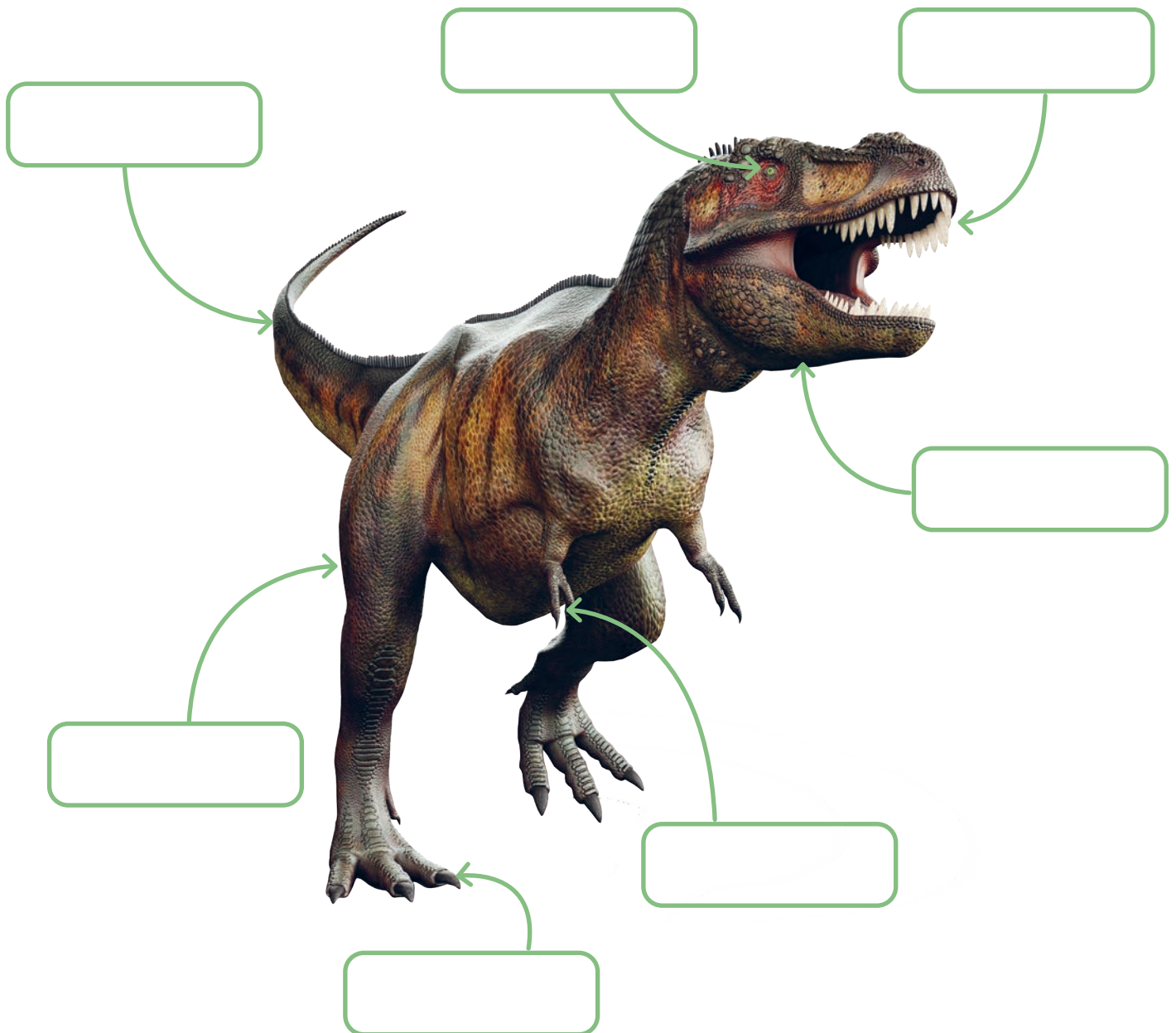
For reference to the Teachers' & Parents' Resources, this goes with 'A Herd of Dinosaurs: Scene 3'.

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DINO BODIES - T.REX

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



TAIL

JAW

LEG

CLAW

EYE

FOOT

TEETH

IS THIS THE BIGGEST DINOSAUR EVER?

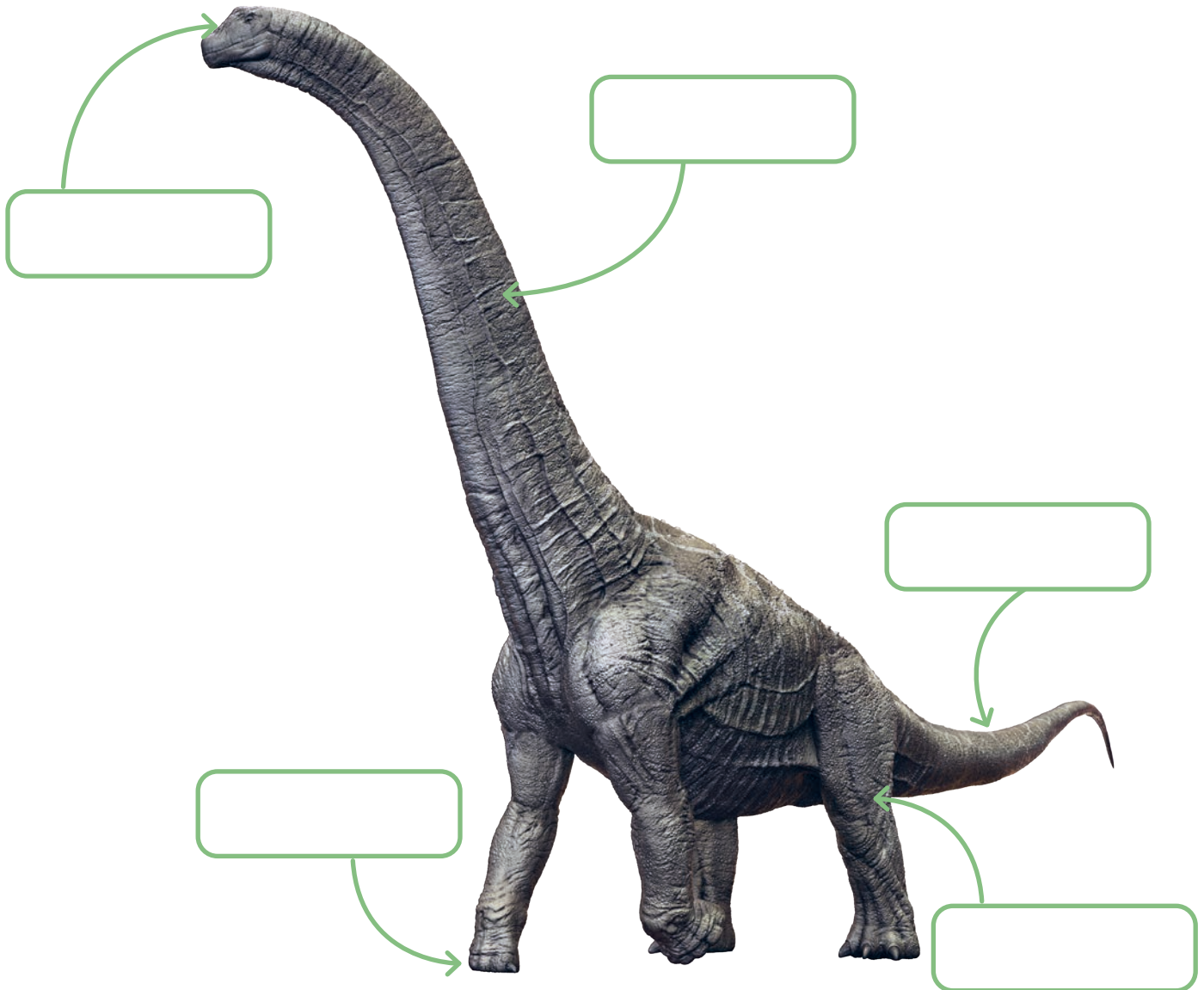
For reference to the Teachers' & Parents' Resources, this goes with 'A Herd of Dinosaurs: Scene 3'.

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DINO BODIES - ALAMOSAURUS

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



TAIL

NECK

LEG

HEAD

FOOT



IS THIS THE BIGGEST DINOSAUR EVER?

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

www.thebigquestionsanswered.com



FANTASTIC FOSSILS

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

fragile

animals

millions

diggers

skeleton

bones

1. Fossils are the ancient remains of _____ or plants.
2. They have been buried under the earth for _____ of years.
Because they are usually deep down, scientists think they may never find all the fossils in the world!
3. Palaeontologists have to be very careful when uncovering fossils because they are so _____, meaning they break easily.
4. They use a range of tools including brushes, shovels, and _____ to uncover the fossils!
5. Fossils from animals can be different shapes and sizes. Fossils can be of animal _____, footprints, or even poop!
6. It is very rare for a palaeontologist to find all the bones needed to make a full _____. When they do, they are some of the most exciting discoveries!



What's your favourite fossil fact?



IS THIS THE BIGGEST DINOSAUR EVER?

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

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WHEN DID DINOSAURS LIVE?

Cut out along the dotted lines before starting this activity. Match the dinosaur to the time period scientists think it lived in, using the facts provided.

TRIASSIC PERIOD
252-201 million years ago

CRETACEOUS PERIOD
145-66 million years ago

JURASSIC PERIOD
201-145 million years ago

TODAY

EORAPTOR
I lived around 223 to 228 million years ago.

COELOPHYSIS
I lived around 200 to 228 million years ago.

PLATEOSAURUS
I lived around 204 to 230 million years ago.

ALLOSAURUS
I lived around 145 to 155 million years ago.

DIPLODOCUS
I lived around 145 to 155 million years ago.

STEGOSAURUS
I lived around 150 million years ago.

SPINOSAURUS
I lived around 93.5 to 99 million years ago.

GIRAFFATITAN
I lived around 145 to 150 million years ago.

TRICERATOPS
I lived around 66 to 69 million years ago.

TYRANNOSAURUS REX
I lived around 66 to 90 million years ago.



IS THIS THE BIGGEST DINOSAUR EVER?

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

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DINO DINNERS

Can you use the words below to fill in the blanks and learn all about dinosaurs' diets? Each answer can only be used once.

necks

carnivores

plants

omnivore

teeth

1. Dinosaurs, like T.rex, who hunted other animals were _____.
They only ate meat.
2. Some dinosaurs, like titanosaurs, were herbivores.
This means that they only ate _____.
3. Some herbivore dinosaurs, like sauropods, grew really long _____
so that they could eat the leaves from trees that shorter dinosaurs
couldn't reach.
4. Some dinosaurs ate meat and plants! This sort of animal is
called an _____.
5. Palaeontologists can tell what type of food the dinosaur ate from looking at
fossils of their _____.



Can you think of any
animals that live today
that have these diets?

IS THIS THE BIGGEST DINOSAUR EVER?

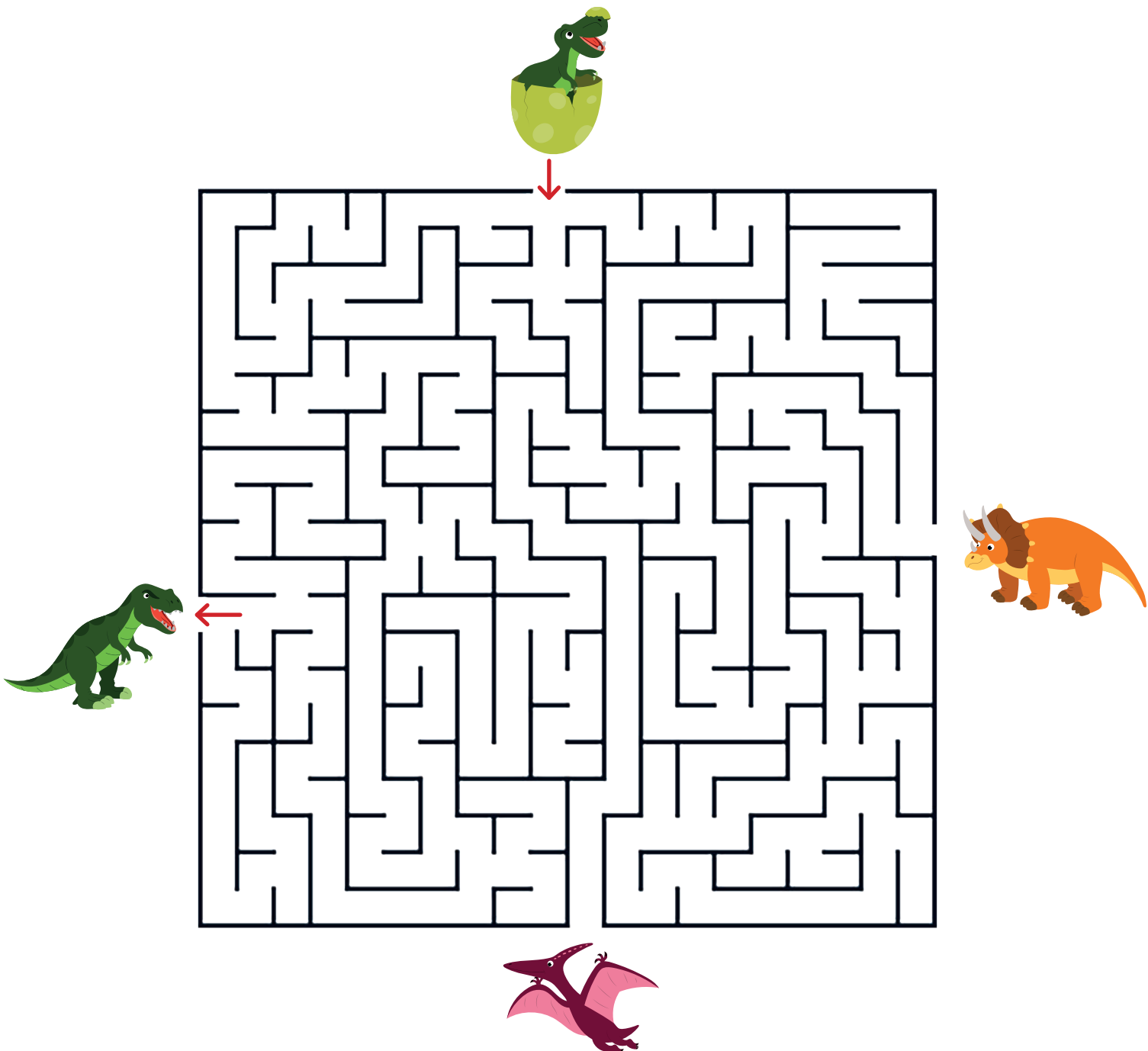
For reference to the Teachers' & Parents' Resources, this goes with 'An Egg-Cellent Discovery: Scene 7'.

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HELP THE DINOSAUR FAMILY

The baby Tyrannosaurus rex has just hatched and has lost its way. Can you help the baby dinosaur find its way back to the correct adult dinosaur?





IS THIS THE BIGGEST DINOSAUR EVER?

For reference to the Teachers' & Parents' Resources, this goes with 'Building a Full-Size Skeleton: Scene 8'.

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NEW DINO DISCOVERY - SKELETON

Palaeontologists know that dinosaurs came in all shapes and sizes, but most had similar types of bones. Try drawing your own **dinosaur skeleton**, making sure to include all the bones below.

SKULL

TEETH

TAIL

CLAWS

*Draw your dino skeleton
in here!*

Get creative with the size
of the different bones, like
the teeth and tail.





IS THIS THE BIGGEST DINOSAUR EVER?

For reference to the Teachers' & Parents' Resources, this goes with 'Building a Full-Size Skeleton: Scene 8'.

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NEW DINO DISCOVERY - DINOSAUR

Now you've drawn your dinosaur skeleton, try to imagine what it would have looked like with muscles and skin if it was alive! Have a go at drawing your **fully formed dinosaur** below.

*Draw your dinosaur
in here!*

It looks like you've discovered
a new type of dinosaur!
What will you call it?





IS THIS THE BIGGEST DINOSAUR EVER?

For reference to the Teachers' & Parents' Resources, this goes with 'Dinosaur X-Ray: Scene 9'.

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DINOSAUR ADVENTURE

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

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

DINOSAUR
FOSSIL
BONES
SKELETON

TAIL
HORNS
EGGS
TEETH

CLAWS
MUSEUM
DIG
ROCKS

IS THIS THE BIGGEST DINOSAUR EVER?

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

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COOL DINOSAUR FEATURES

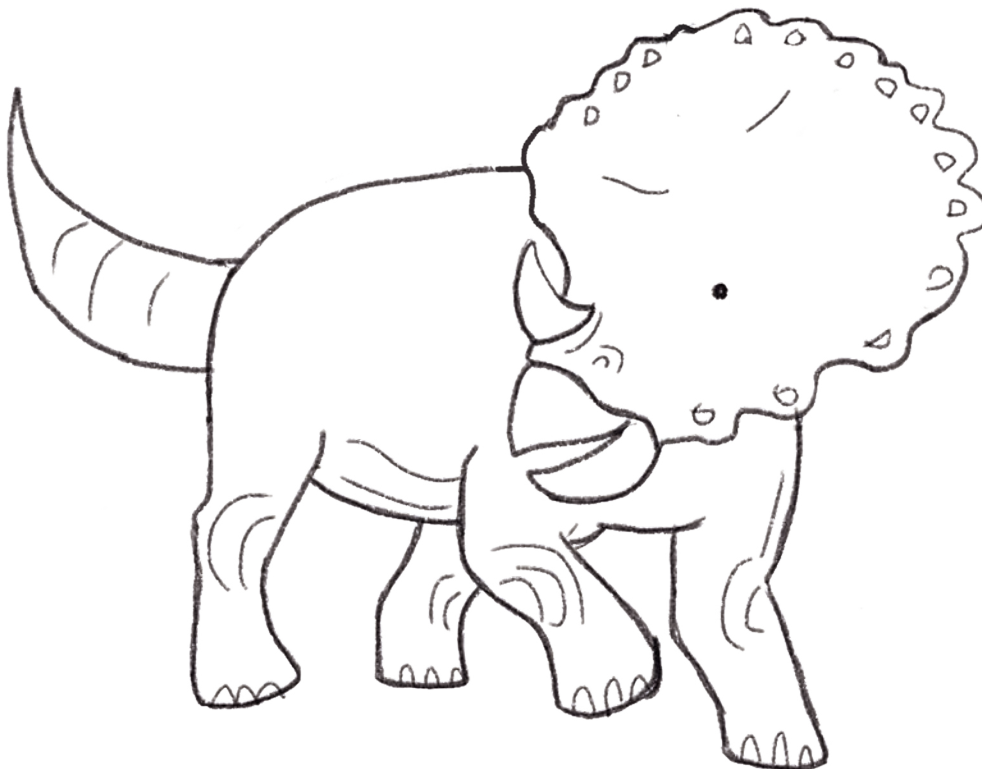
This Triceratops is missing one of its key features!
Use the picture and clue to work out which feature is missing, then draw it back on and colour the dinosaur in.

CLUE:

This dinosaur has 3 of this feature on its head. It uses them to defend itself against predators.



Use this picture of a Triceratops as a clue!



IS THIS THE BIGGEST DINOSAUR EVER?

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

www.thebigquestionsanswered.com



COOL DINOSAUR FEATURES

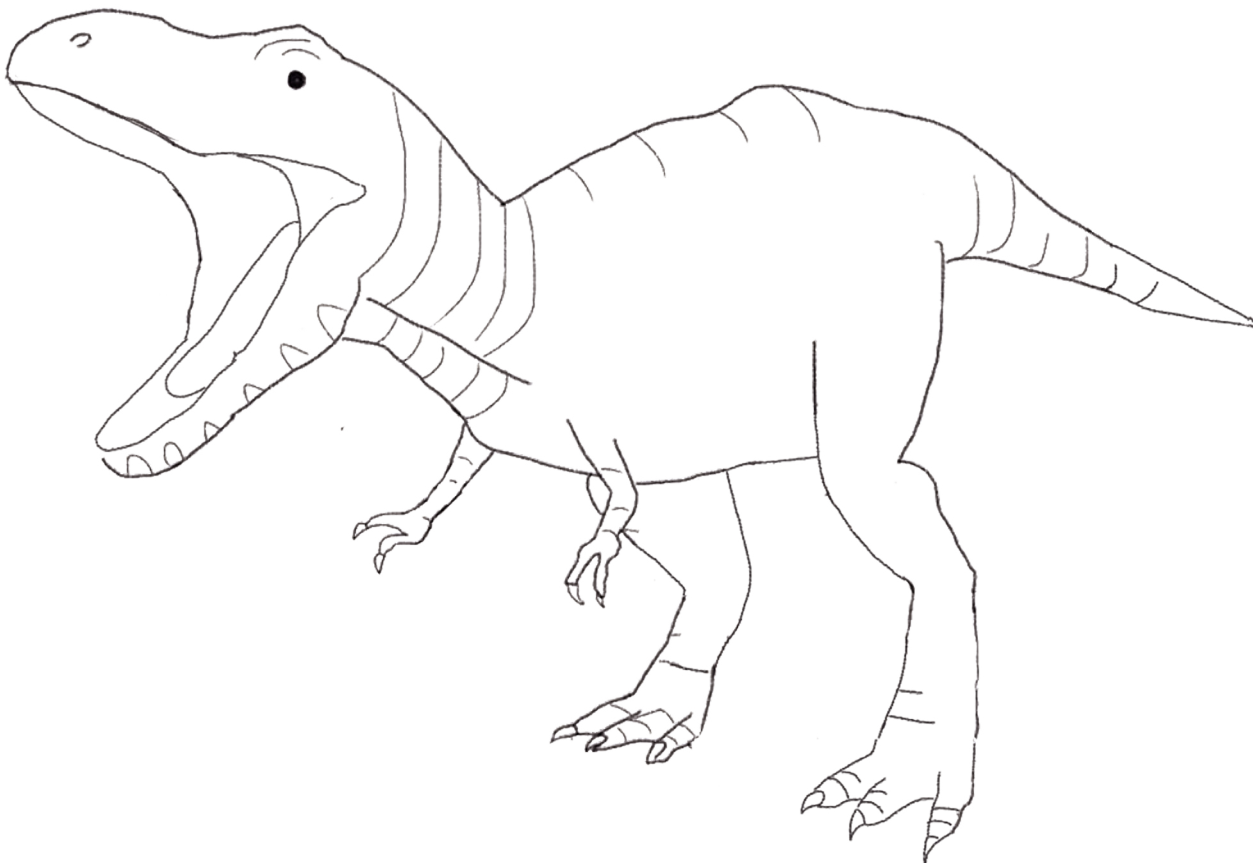
This T.rex is missing one of its key features. Use the picture and clue to work out which feature is missing. Then draw it back on and colour the dinosaur in.

CLUE:

This dinosaur has lots of this feature. They are big and sharp so it can eat its prey!



Use this picture of a T.rex as a clue!



IS THIS THE BIGGEST DINOSAUR EVER?

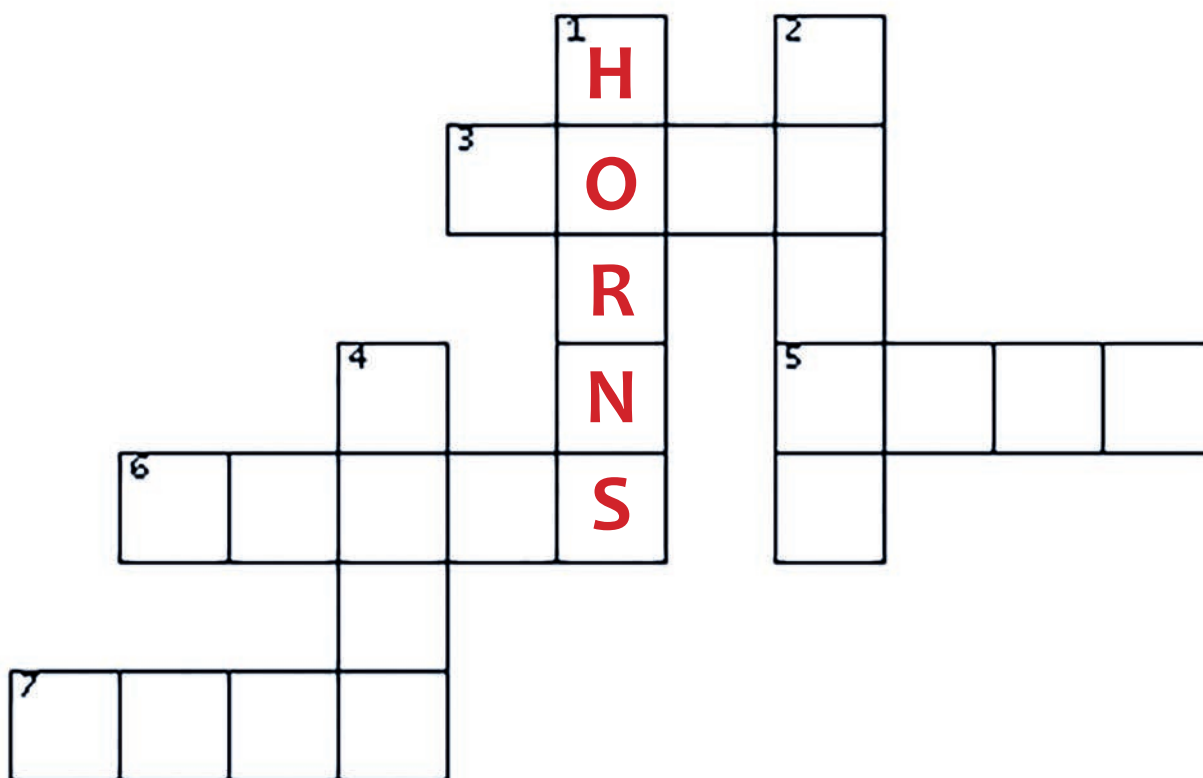
For reference to the Teachers' & Parents' Resources, this goes with 'Fight for Survival: Scene II'.

www.thebigquestionsanswered.com



FIGHTING DINOSAURS

Dinosaurs used lots of body parts when fighting off attacking dinosaurs!
Use the clues below to work out the different body parts and fill in the boxes.
The first one has been done for you.



CLAWS

EYES

TAIL

NOSE

JAWS

TEETH

~~HORNS~~

ACROSS

3. A body part that helps animals sniff out their prey!
5. A long part at the end of the body that can be used to hit other animals.
6. A sharp body part found on the end of dinosaurs' hands or feet.
7. A body part that helps animals see.

DOWN

1. ~~Spikes that can be used to fight off attacking predators.~~
2. Hard bones inside the mouth that help animals eat.
4. A bony body part that holds the mouth and teeth.



IS THIS THE BIGGEST DINOSAUR EVER?

For reference to the Teachers' & Parents' Resources, this goes with 'The Big Reveal: Scene 12'.

www.thebigquestionsanswered.com



INCREDIBLE DINOSAUR FACTS

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

Draw your dinosaur in here!

This dinosaur is a

These dinosaurs grew to high and long.

These dinosaurs ate

These dinosaurs lived million years ago.

These dinosaurs' key features are

A fun fact about this dinosaur is:

.....

.....



Why not print this sheet off multiple times and create a dinosaur booklet full of lots of different dinosaurs!

IS THIS THE BIGGEST DINOSAUR EVER?

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

www.thebigquestionsanswered.com



THE DISCOVERY

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

	SENTENCE	TRUE	FALSE
1	The Patagotitan mayorum was found in Australia.		
2	The fossils were dug up by scientists called oceanographers.		
3	Titanosaurs were the biggest dinosaurs to walk the Earth.		
4	The scientists found more than 200 fossils in total.		
5	The Patagotitan mayorum was named after the person who discovered it, Mr Patagotitan.		
6	The Patagotitan mayorum lived at the same time as T.rex and Triceratops.		

MORE FUN PALAEOONTOLOGY 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.

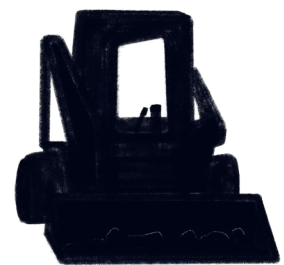
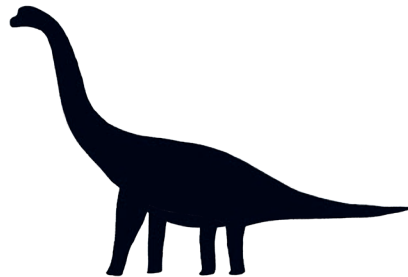
FIND THE SCIENTIST

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



+



+



=



-



+



+



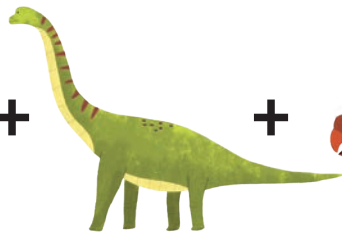
=



-



+



+



=



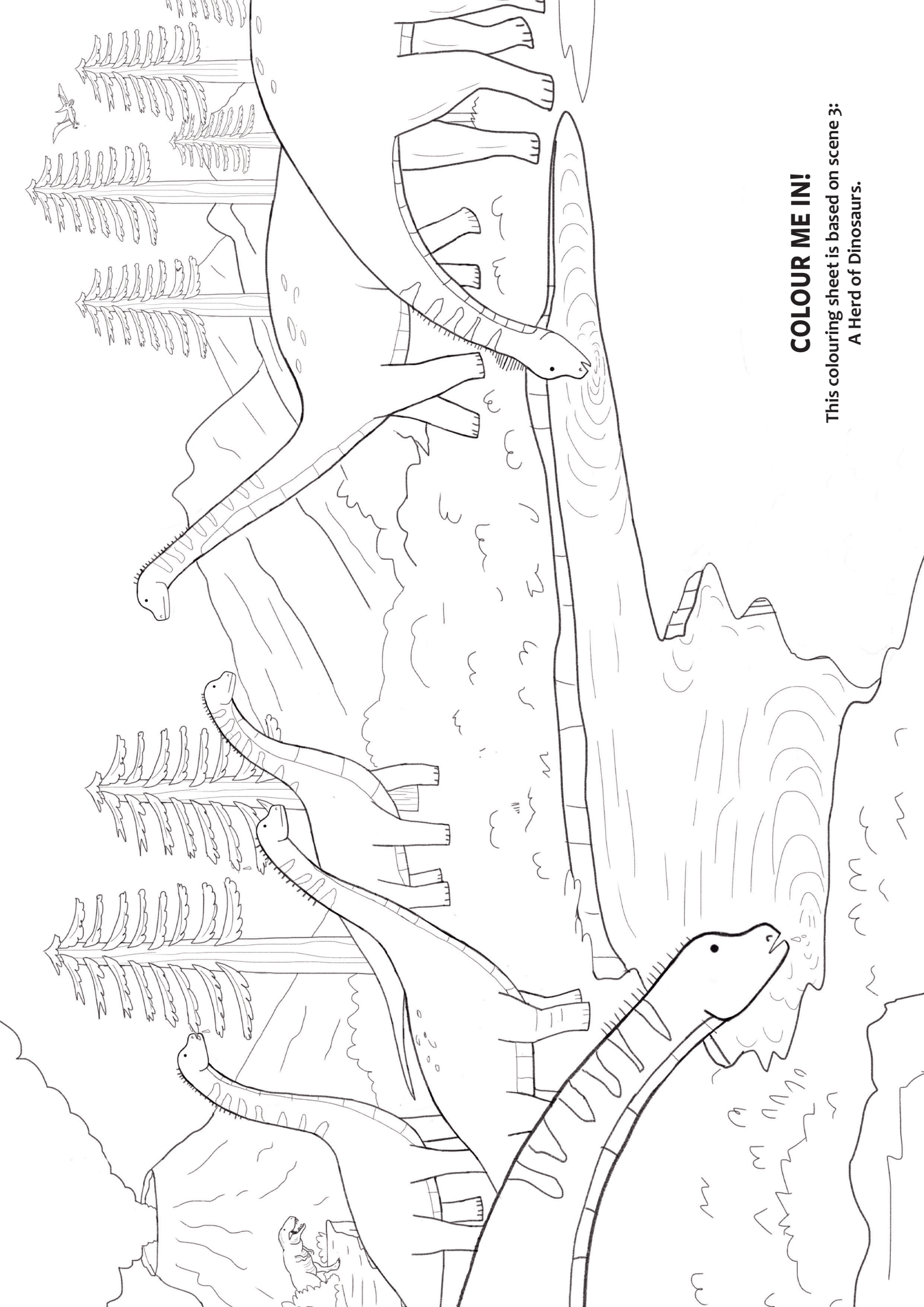
+



-



=



COLOUR ME IN!

This colouring sheet is based on scene 3:
A Herd of Dinosaurs.

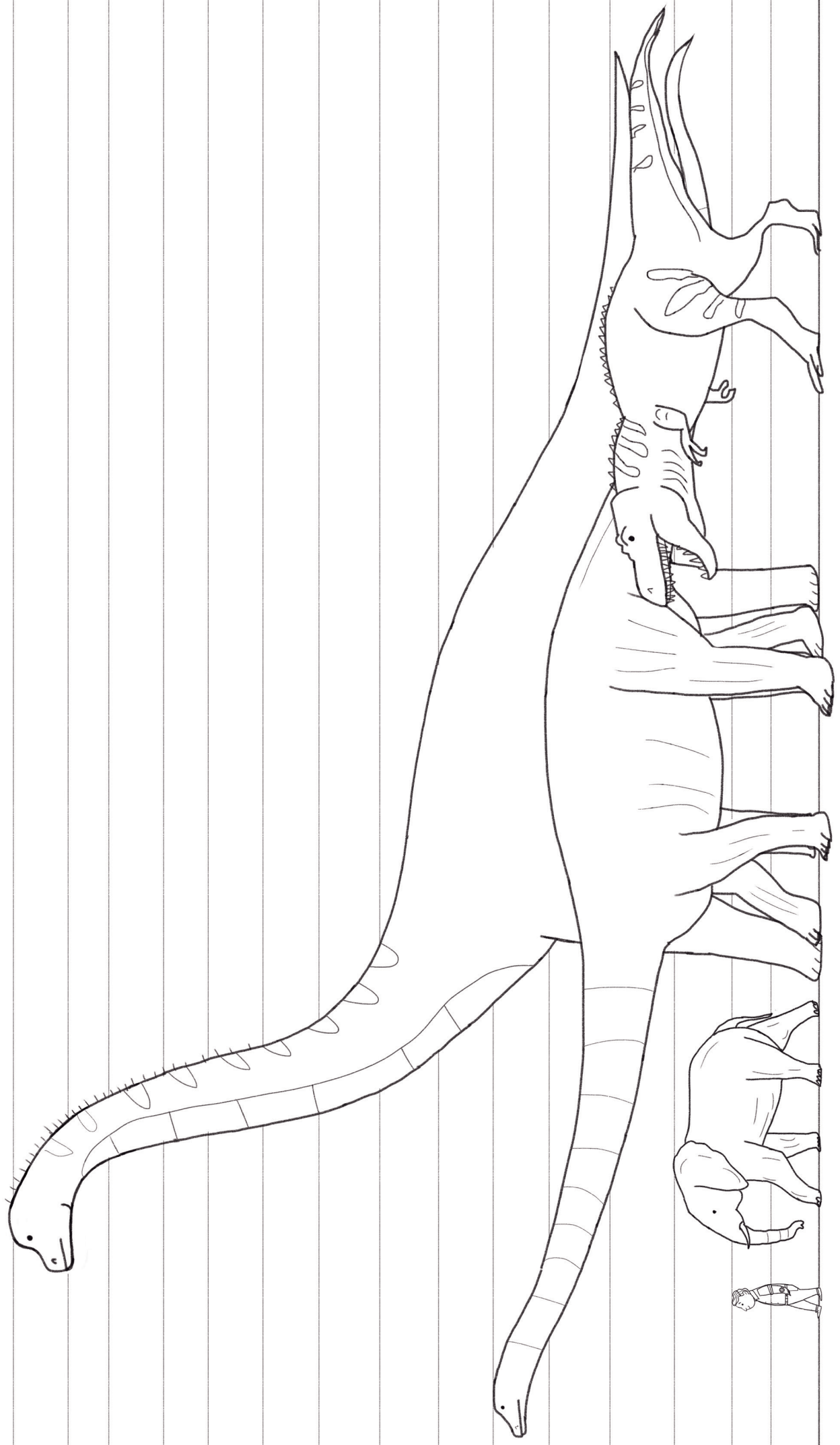
COLOUR ME IN!

This colouring sheet is based on scene 6:
Ageing Fossils.



COLOUR ME IN!

This colouring sheet is based on scene 13: The Biggest of All.



DOT-TO-DOT

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



YOUNG PALAEOONTOLOGISTS' ACTIVITY ANSWERS









Find the answers to the activities on the following pages.

ACTIVITY ANSWERS

Check your answers against the correct answers below!

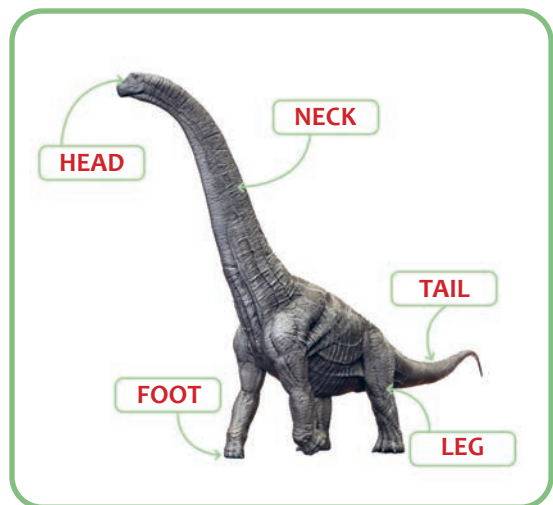
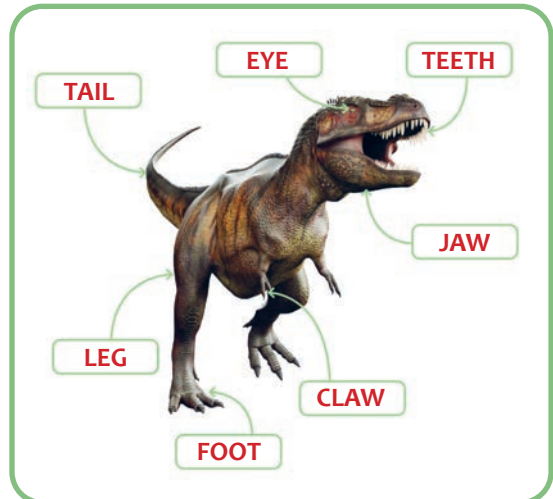
FOSSIL HUNT ANSWERS

The answers below are for the 'match up' activity on page 4.

<i>I am a...</i> STEGOSAURUS	<i>I am a...</i> TYRANNOSAURUS REX	<i>I am a...</i> PATAGOTITAN MAYORUM	<i>I am a...</i> TRICERATOPS
			
			
Fact: I'm the biggest dinosaur ever!	Fact: I'm a huge meat-eating dinosaur. Everyone's scared of me!	Fact: My big horns help me protect myself.	Fact: I have huge bony plates along my back.

DINO BODIES ANSWERS

The answers below are for the 'label the parts' activities on pages 5-6.



FANTASTIC FOSSILS ANSWERS

The answers below are for the 'fill in the blanks' activity on page 7.

1. Fossils are the ancient remains of **animals** or plants.
2. They have been buried under the earth for **millions** of years. Because they are usually deep down, scientists think they may never find all the fossils in the world!
3. Palaeontologists have to be very careful when uncovering fossils because they are so **fragile**, meaning they break easily.
4. They use a range of tools including brushes, shovels, and **diggers** to uncover the fossils!
5. Fossils from animals can be different shapes and sizes. Fossils can be of animal **bones**, footprints, or even poop!
6. It is very rare for a palaeontologist to find all the bones needed to make a full **skeleton**. When they do, they are some of the most exciting discoveries!

WHEN DID DINOSAURS LIVE? ANSWERS

The answers below are for the 'cut and stick' activity on page 8.

TRIASSIC PERIOD

252-201 million years ago

Eoraptor
Plateosaurus

JURASSIC PERIOD

201-145 million years ago

Diplodocus
Coelophysis
Allosaurus
Stegosaurus
Giraffatitan

CRETACEOUS PERIOD

145-66 million years ago

Spinosaurus
Triceratops
Tyrannosaurus rex

DINO DINNERS ANSWERS

The answers below are for the 'fill in the blanks' activity on page 9.

Dinosaurs, like T.rex, who hunted other animals were carnivores.
They only ate meat.

Some dinosaurs, like titanosaurs, were herbivores. This means that they only ate plants.

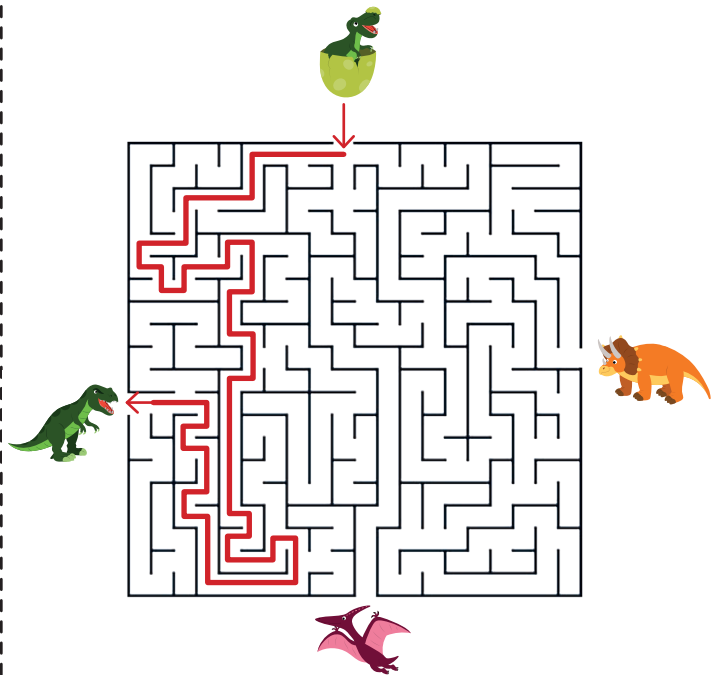
Some herbivore dinosaurs, like sauropods, grew really long necks so that they could eat leaves from trees that shorter dinosaurs couldn't reach.

Some dinosaurs ate meat and plants! This sort of animal is called an omnivore.

Palaeontologists can tell what type of food the dinosaur ate from looking at fossils of their teeth.

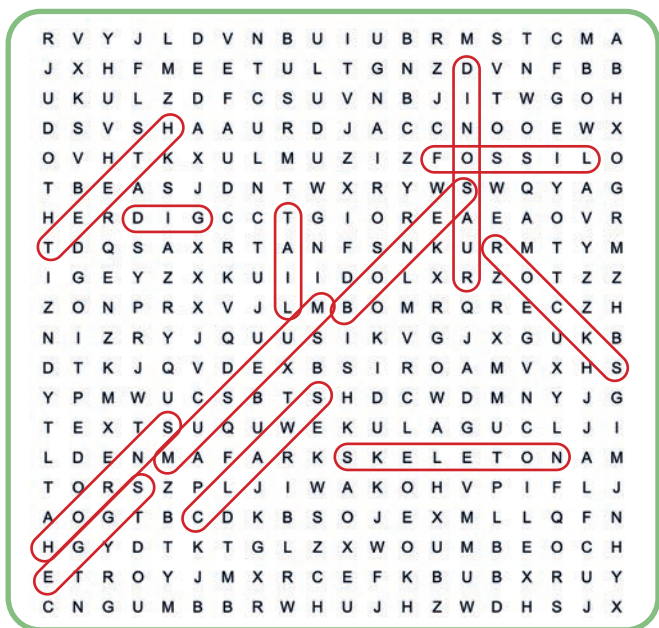
HELP THE DINOSAUR FAMILY ANSWERS

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



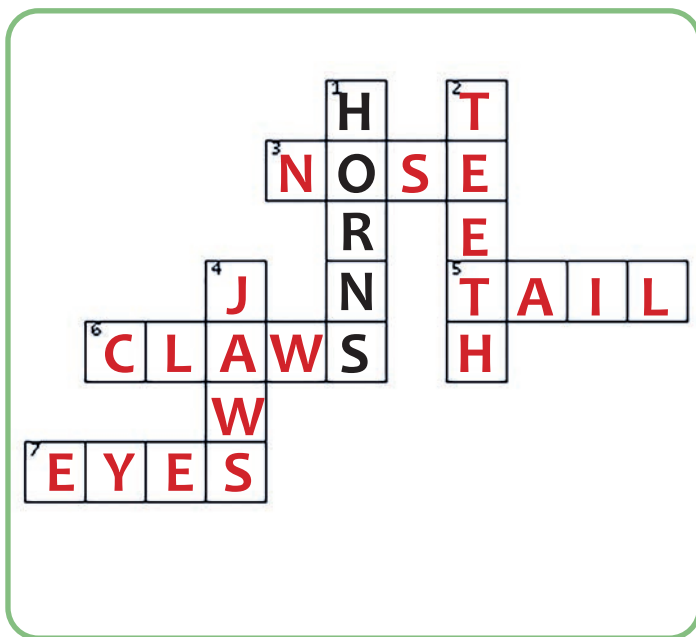
DINOSAUR ADVENTURE ANSWERS

The answers below are for the ‘word search’ activity on page 13.



FIGHTING DINOSAURS ANSWERS

The answers below are for the ‘crossword’ activity on page 16.



THE DISCOVERY OF PATAGOTITAN MAYORUM ANSWERS

The answers below are for the ‘true or false?’ activity on page 18.

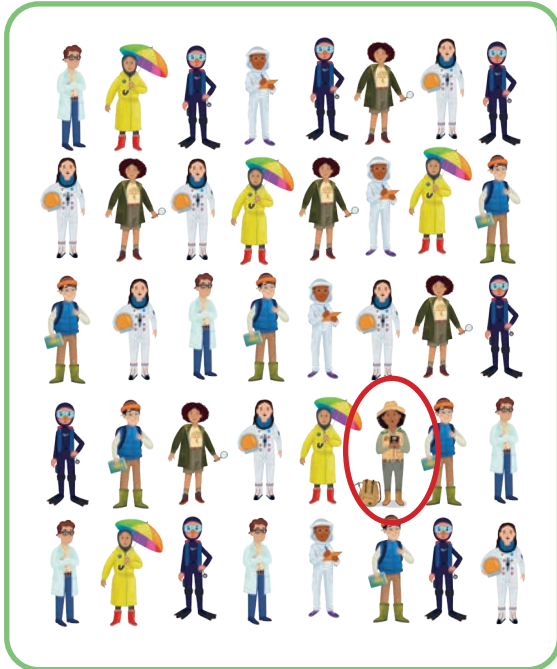
	SENTENCE	TRUE	FALSE
1	The Patagotitan mayorum was found in Australia.		FALSE
2	The fossils were dug up by scientists called oceanographers.		FALSE
3	Titanosaurs were the biggest dinosaurs to walk the Earth.	TRUE	
4	The scientists found more than 200 fossils in total.	TRUE	
5	The Patagotitan mayorum was named after the person who discovered it, Mr Patagotitan.		FALSE
6	The Patagotitan mayorum lived at the same time as T.rex and Triceratops.	TRUE	

EXTRA ACTIVITY ANSWERS

Check your answers against the correct answers below!

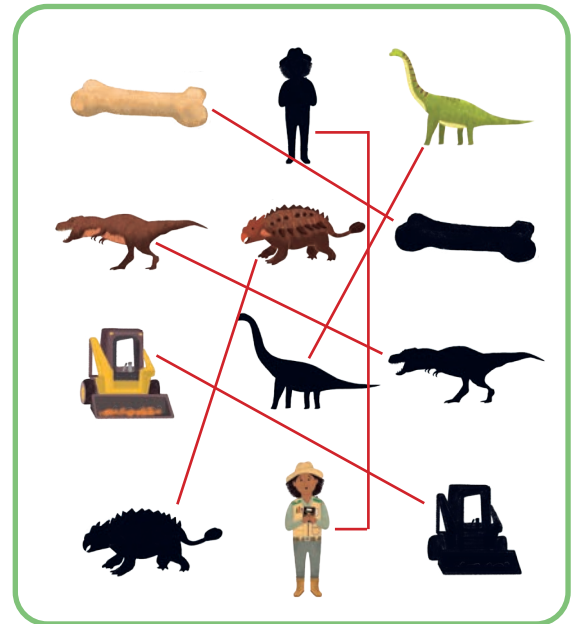
FIND THE SCIENTIST

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.

	+		+		=	<div style="border: 1px solid black; padding: 5px; display: inline-block;">9</div>		
	-		+		+		=	<div style="border: 1px solid black; padding: 5px; display: inline-block;">4</div>
	-		+		+		=	<div style="border: 1px solid black; padding: 5px; display: inline-block;">8</div>
	+		-		=	<div style="border: 1px solid black; padding: 5px; display: inline-block;">9</div>		