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activity book evolution of wales & natural world galleries

You are going on a 4,600 million year journey through time to discover more about animals past, present and future.

Walk around the *Evolution of Wales* and *Natural World* galleries to help complete the activities.

Follow the red arrows into the *Evolution of Wales* gallery and go past the presentation of the stars and the 'Big Bang', to find the earliest forms of life.

Name _____



You don't have to finish all the activities today. Why not bring your activity book back on your next visit?

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This activity book has been funded thanks to visitor donations.

earliest life

600 million years ago

Leave the 'star room' and find the first display case on your right.

These fossils are evidence of early life on earth 600 million years ago – strange imprints of jellyfish and worm-like creatures preserved in rock.

Go around the corner to find the trilobites. Trilobites were creatures that lived in the sea.

Which animals that are alive today do they remind you of?

Worms

Woodlice

Fish

► Find the biggest trilobite and draw it here.



Make notes here

silurian coral reef

425 million years ago

Move forward through the gallery (and through time!) until you find the coral reef display.

Can you find me?

► Match the sentence to the picture

I have feathery arms and a long stalk. I look like a lily. I am a crinoid.

I have a long cone-like shell, tentacles and 2 big eyes. I am an orthocone.

I have a coiled shell and look like something you might find in your garden. I am a gastropod.



We are lots of little creatures that live together in a big clump. We make lots of different patterns. We are a coral.

► Can you find any other creatures in this coral reef?

Use the fossils in the display cases to help.

life in a coal forest

300 million years ago

Move forward into the next gallery space and find the ancient forest. Wales looked like this 300 million years ago.

Notice how the insects are much bigger than they are today.



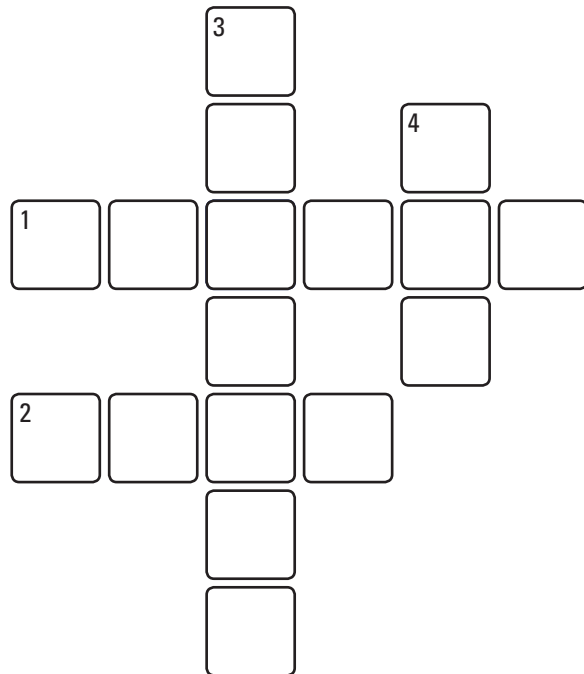
► Use the display and the information panels to help you complete the crossword.

Across

- 1 What's the big scary creature behind the stump? (6)
- 2 This is called a _____ forest (4)

Down

- 3 The _____ was sub-tropical (7)
- 4 How many cockroaches can you find in the display? (3)



dinosaurs in wales

220-65 million years ago

Follow the sounds of the dinosaurs. Here you can see skeletons, models and footprints of dinosaurs found in Wales.

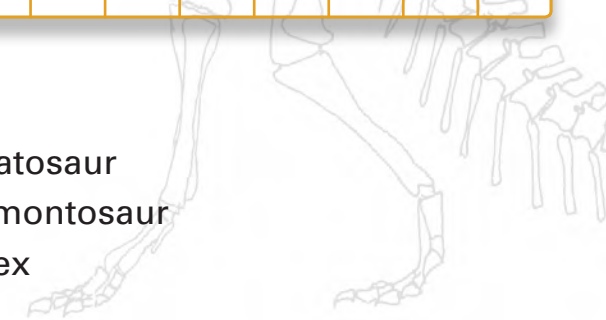
► Can you find all these dinosaurs in the gallery and in this wordsearch?

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

Dinosaurs:

- Plateosaur
- Megalosaur
- Coelophysis

- Apatosaur
- Edmontosaur
- T rex



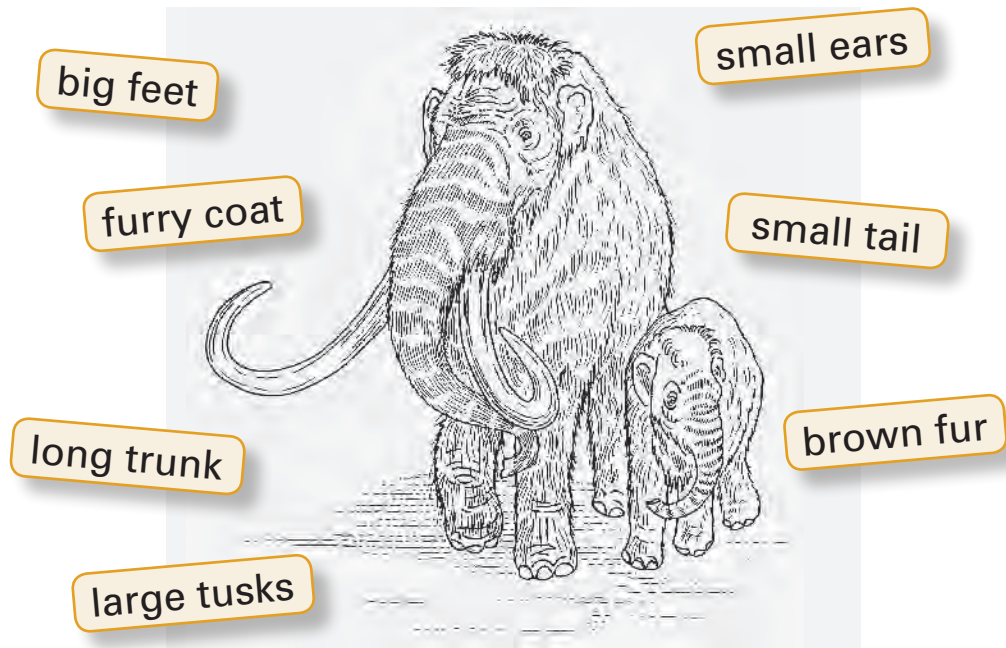
the ice age

1.6 million to 10,000 years ago

Move forward through the gallery and enter the ice age cave. Find the mother and baby woolly mammoth.

What features helped the woolly mammoth live in a cold environment?

► Match the right feature to the mammoth.



What other animals lived during the ice age? Draw some of them here.

animals today natural world gallery

Present day

Make your way out of the *Evolution of Wales* galleries and into the gallery opposite – the *Natural World* gallery.

Many of the animals you have just seen are now extinct (no longer alive on Earth), but all the animals in this gallery are found in the world today.

► Find the animals in each of the groups below. One of them doesn't belong in the group. Which is the odd one out?

Easy-peasy
 Snow Leopard
 Thomson's Gazelle
 Spider Crab
 Tree Monkey

Okay
 Puffer Fish
 Swordfish
 Fruit Bat
 Stingray

Difficult
 Wandering Albatross
 Hummingbird
 Kiwi
 Fruit Bat

Very difficult
 Starfish
 Edible Crab
 Brittle-star
 Fossil Heart Urchin



Answers on next page ➡

animal futures

► Use this space to design a poster about the snow leopard. Use the facts below to help you.

- Snow leopards live in the rocky mountains of central Asia. They are perfectly adapted to cold, mountainous life. Can you see how?
- Many animals are in danger because of habitat loss and human activities. Snow leopards are often hunted illegally for their fur and killed because they attack local livestock.
- Knowing about snow leopards and their fragile environment is the first step to helping these cats.

