

Life in the Perman

(1) How long before the dinosaurs did Permian Monsters live?

Hundreds of years Thousands of years Millions of years

(2) How were insects able to grow to enormous sizes during the Permian?

(3) Cross out the animal groups that didn't exist during the Permian:

Fish Birds Amphibians Insects Mammals Reptiles

(4) Circle the group of reptiles that gave raise to mammals:

Anapsids Synapsids Diapsids

(5) Circle the group of reptiles that gave rise to dinosaurs and birds:

Anapsids Synapsids Diapsids

the Yerman Sea	a	
	rmian, the Earth had just ne large ocean. What w	•
(7) Find the shar	k Helicoprion and draw orked? That is, how did th	its teeth. How do
(8) Draw the folio	owing sea creatures: Trilobite	Crinoid
	ll invertebrate life forms t an. Do you know what ir	
(10) Which out of	f the 3 died out during th	ne extinction event?

Permian Amphibians

(11) Find the skeleton and the illustration of Sclerocephalus. How big did Sclerocephalus g	row?			
(12) How did large amphibians adapt to life on land?				
(13) Can you tell which of the following facts a amphibians are true or false?	bout			
Amphibians are warm blooded	True	False		
Amphibians change from water-breathing juveniles to air-breathing adults	True	False		
Amphibians buried their eggs on land	True	False		
Permian amphibians were a lot bigger than today's and achieved monstrous sizes	True	False		
(14) Can you name the animal in the exhibition that has a boomerang-shaped head?				
(15) Why do you think it had this strange shaped head?				

Permian reptiles

Now that you have visited the exhibition, here is a way to test your new knowledge on Permian reptiles.

(16) Match with a line the Permian reptile names with the illustrations:

Dinocephalia

Dicynodont

Pelycosaur

Pareiasaur

Cynodont

Gorgonopsid

Elginia

Fliginia

Fliginia

Fliginia

Fliginia

Forgonops

Thrinaxodon

Finaxodon

Finaxodon

Finaxodon

Finaxodon

Finaxodon

Animals that eat meat are called **carnivores**. Animals that eat plants are called **herbivores**. Animals that eat plants and meat are called **omnivores**.

(17) Circle the illustrations above the reptiles that were **carnivores**, put a square around the **herbivores** and a triangle around the **omnivores**.

The Extinction

(18) The Permian ended with the largest extinction in the history of Earth. What percentage of species were wiped out? (There are variations on how to report the answer.)

(19) Can you correctly number the sequence of events that led to the extinction?







temperature increase +5°C (9°F)



2nd temperature increase +5oC (9°F)





(20) Circle the animals that survived the extinction:



Dinocephalians



Gorgonopsians



Cynodonts



Pelycosaurs

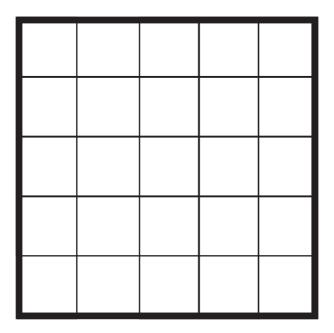


Parareptiles

Dippinp Up fossils

Go to a dig pit where you can brush away the sand to uncover some fossils.

(21) Draw a picture of the fossils you uncover in the grid below:



(22) Identify the fossils you found by finding them on display in the exhibition.	
(23) Which came firstthe chicken or the egg? Explain.	

