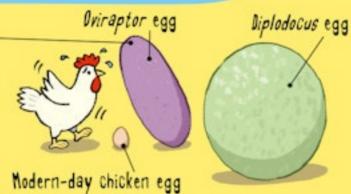


BABY DINOSAURS

All baby dinosaurs hatched from eggs, but not every egg looked the same. They came in different shapes and sizes, but they all had hard shells to keep the babies growing inside safe until they hatched.

Dinosaur eggs

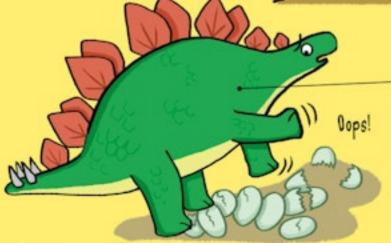
The biggest eggs were laid by mighty plant eaters, like *Diplodocus*. Their eggs were round and as big as a basketball *Oviraptor*, and other meat eaters, mostly laid smaller, oval-shaped eggs.



Nesting

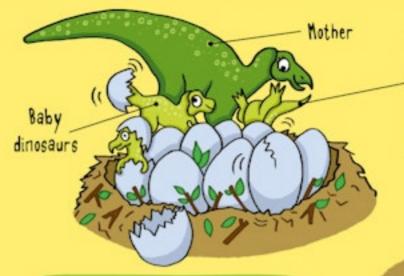
Maiasaura laid around 25 eggs in a huge nest made from a mound of mud. They nested in groups, so they could share babysitting duties.





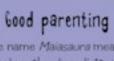
Warm nest lining

Cosy blanket



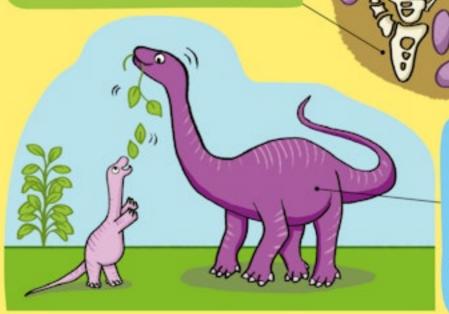
Egg hunter

Oviraptor means 'egg hunter'. This small dinosaur was given its name because its bones were found among eggs. At first, people thought that the dinosaur must have been stealing them.



The name Maiasaura means 'good mother lizard'. It got this name because it stayed with its eggs and looked after its young until they were big enough to leave the nest.

Oviraptor skeleton

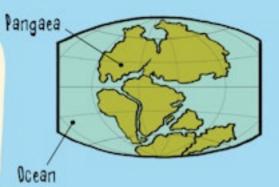


Growth spurt

Baby dinosaurs looked
like their parents, but
were much smaller.
A baby Apatosaurus
weighed about the same
as an adult goose, but by
the time it was fully grown
it weighed more than six
African elephants!

TRIASSIC TIMES

Dinosaurs first appeared on Earth in the Triassic period, which lasted from around 250 to 200 million years ago. At the beginning of the Triassic period the world was a very different place. The continents were joined together in one giant landmass, called Pangaea, which was surrounded by a vast ocean.



Prehistoric landscape

It was so hot and dry that most of the planet was covered in desert. The plants that grew were strange prehistoric ferns and palm-like trees, called cycads





Prehistoric fern

Balancing tail

Eoraptor

Some Triassic dinosaurs were small and fast. One of the first was the meat eater, Eorapton It was about the size of a dog and walked on two legs.



Herrerasaurus

This dinosaur was one of the largest predators of its time. It was as long as a car and weighed as much as a Nile crocodile. Meat-eating dinosaurs like this one are called carnivores.



Not all Triassic dinosaurs were fierce meat eaters. Some, like Plateosaurus, were huge plant eaters that walked on two or four legs. Plant-eating dinosaurs are called herbivores.

Heavy tail



Sharp

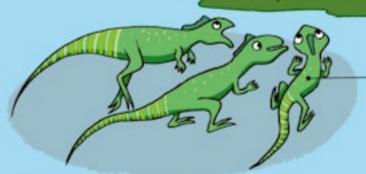
eyesight

Flexible

neck

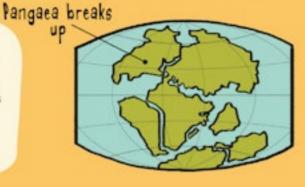
Liliensternus

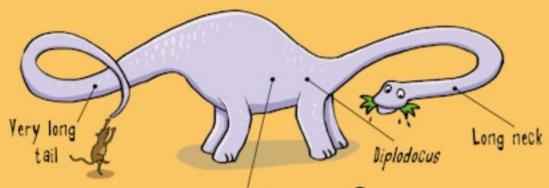
These crested dinosaurs
were ferocious fast-moving
predators. They probably
preyed on much
slower dinosaurs, such
as Plateosaurus.



JURASSIC TIMES

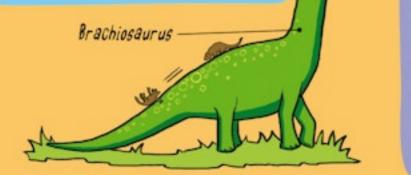
The Jurassic period was the 'Age of Giants', when huge sauropod dinosaurs ruled the Earth. Pangaea started to break up and rain began to fall on Earth's deserts. More plants grew, providing food for all sorts of new plant-eating dinosaurs. This period lasted from around 200 to 145 million years ago.





Giant plant eaters

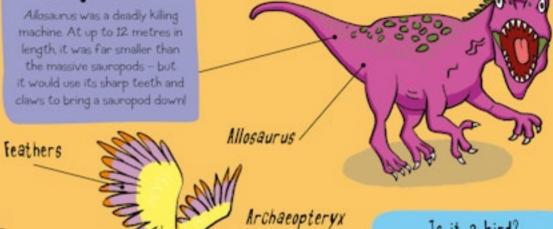
Sauropods were a group of giant plant-eating dinosaurs, including Diplodocus and Brachiosaurus Diplodocus had a really long neck and an even longer tail Its neck was so massive that it couldn't lift it much above shoulder height.



Big appetite

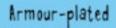
Brachiasaurus was enormous! It weighed in at around 20 to 40 tonnes and was a whopping 26 metres in length. It used its extended neck like a giraffe to reach for the highest leaves, and had to eat around 12.0 kilograms of leaves a day just to survivel

Killing machine



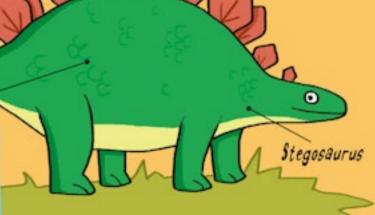
Is it a bird?

Archaeopteryx shows the link between dinosaurs and prehistoric birds It had feathers and a beak. but claws and teeth like a dinosaur. It was the size of a big pigeon.



Claws

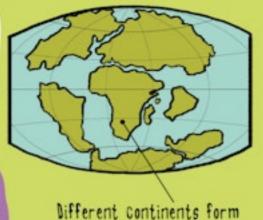
Plant-eating Stegosaurus had two rows of bony plates running down its back and a spiked tail, which it used to defend itself.

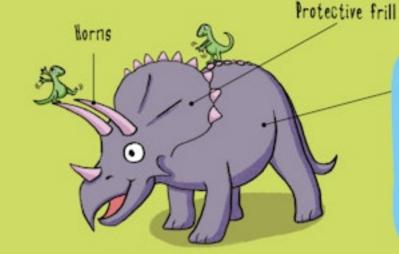


CRETACEOUS TIMES

In the Cretaceous period the world as we know it began to take shape. Flowering plants started to appear and continents drifted apart. As land moved, dinosaurs were cut off from other dinosaurs of their kind and began to change. This meant there were more kinds of dinosaur than ever before.

All shapes and sizes





Triceratops

Triceratops was an enormous beast It had three huge horns on its face and a bony frill around its head It was as heavy as a fully-grown African elephant, and very bulky. Despite its Fearsome looks. it was a plant eater.

Cretaceous dinosaurs came in all shapes and sizes, from the relatively small Velocinaptor to the mighty Giganotosaurus

North America

- 1 Struthiomimus
- 2. Edmontosourus
- 3. Utahraptor
- 4. Tyrannosaurus nox
- 5. Triceratops

Europe

- 6. Iguanodon
- 7. Telmatosaurus

Asia

- B. Overaptor
- 9. Velociraptor
- 10. Therizinosaurus
- 11. Tarchia

South America

- 12. Giganotosaurus
- 13 Irritator

Africa

- 14. Carcharodontosaurus
- 15. Spinosaurus

India-

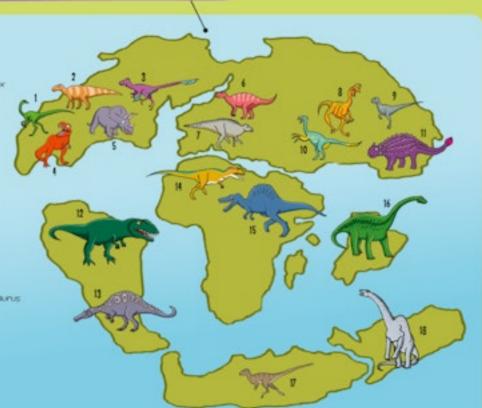
16. Issaurus

Antarctica

17. Trinisaura

Australia

18 Savannasaurus



Tyrant king

Tyrannosaurus rex was one of the most ferocious animals to ever walk the planet. It had razor sharp claws and teeth like daggers. An adult T-rex was so heavy that it probably couldn't run far, so it may have lain in wait to ambosh its victims.



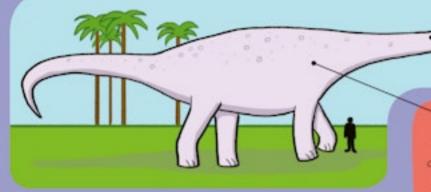


Troodon had a surprisingly large brain. This meant it was much cleverer than other dinosaurs. It also had big eyes, which suggests it hunted at night.



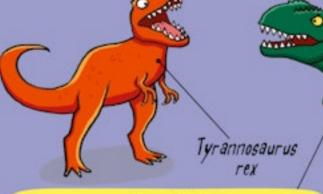
Although we think of dinosaurs as huge, scary beasts, they weren't all giant predators. Some, like T-rex, were big and fierce, but others were small, and many of the biggest dinosaurs were herbivores.

Argentinosaurus



Heavyweight

The sauropods were the biggest creatures ever to walk the Earth One of the largest is the mighty Argentinosaurus It weighed between 60 and 100 tonnes and was between 30 and 33 metres long.



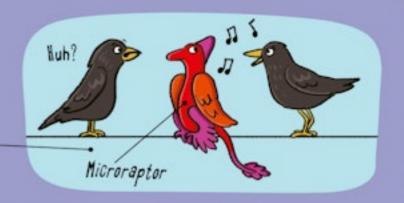
Giant killer

Weighing in at around eight tonnes, Giganotosaurus was probably even bigger than Tyrannosaurus rex But even Giganotosaurus wasn't the biggest meat eater.

Giganotosaurus

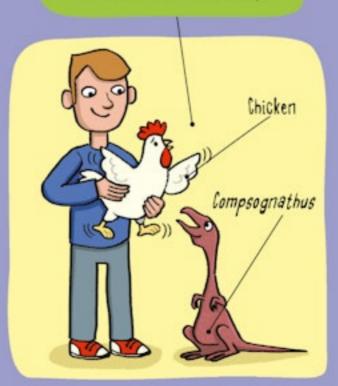
Pint-size predator

Some of the smallest dinosaur skeletons ever found belong to Microraptor. It was only about the size of a crow and had four wings!



Tiny hunter

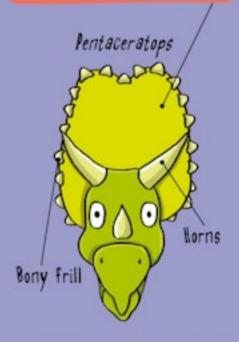
Tiny Compsognathus was one of the smallest dinosaurs. It wasn't much bigger than a chicken, but it was fast and deadly.

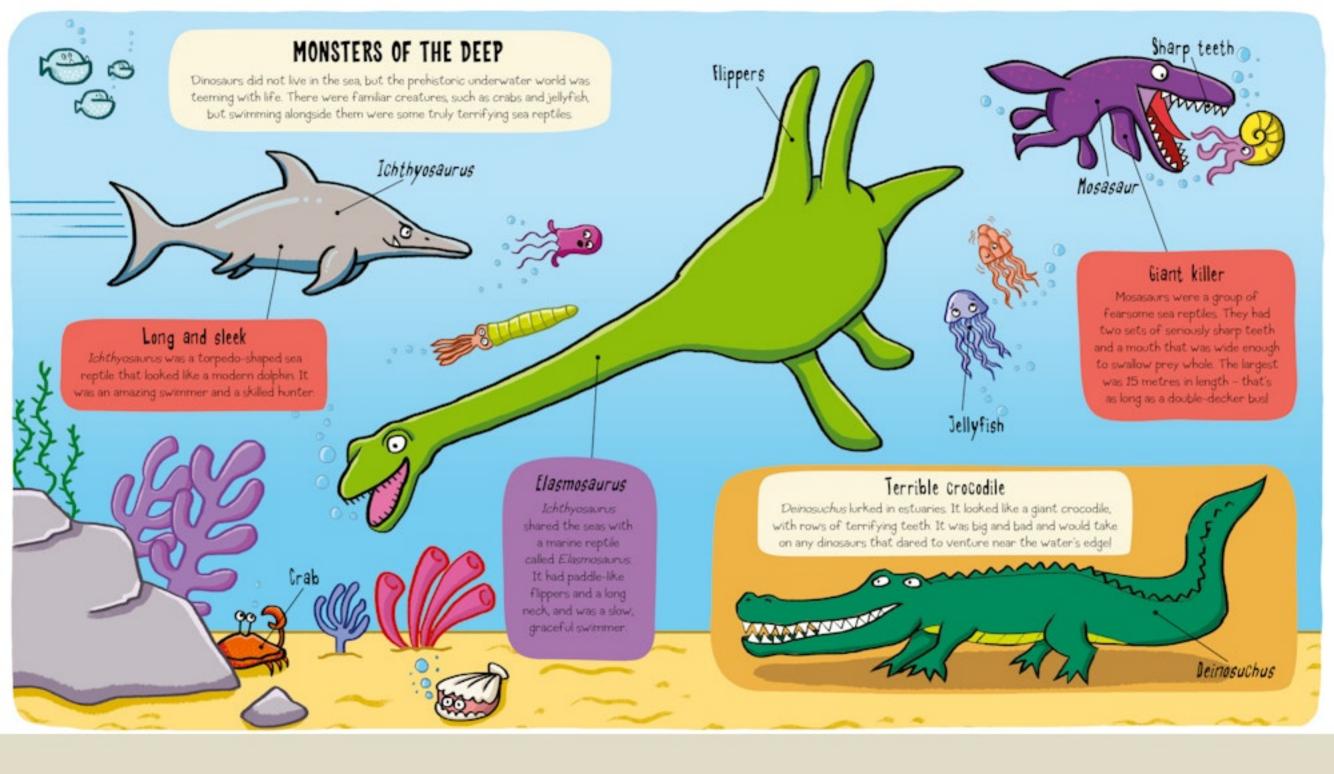


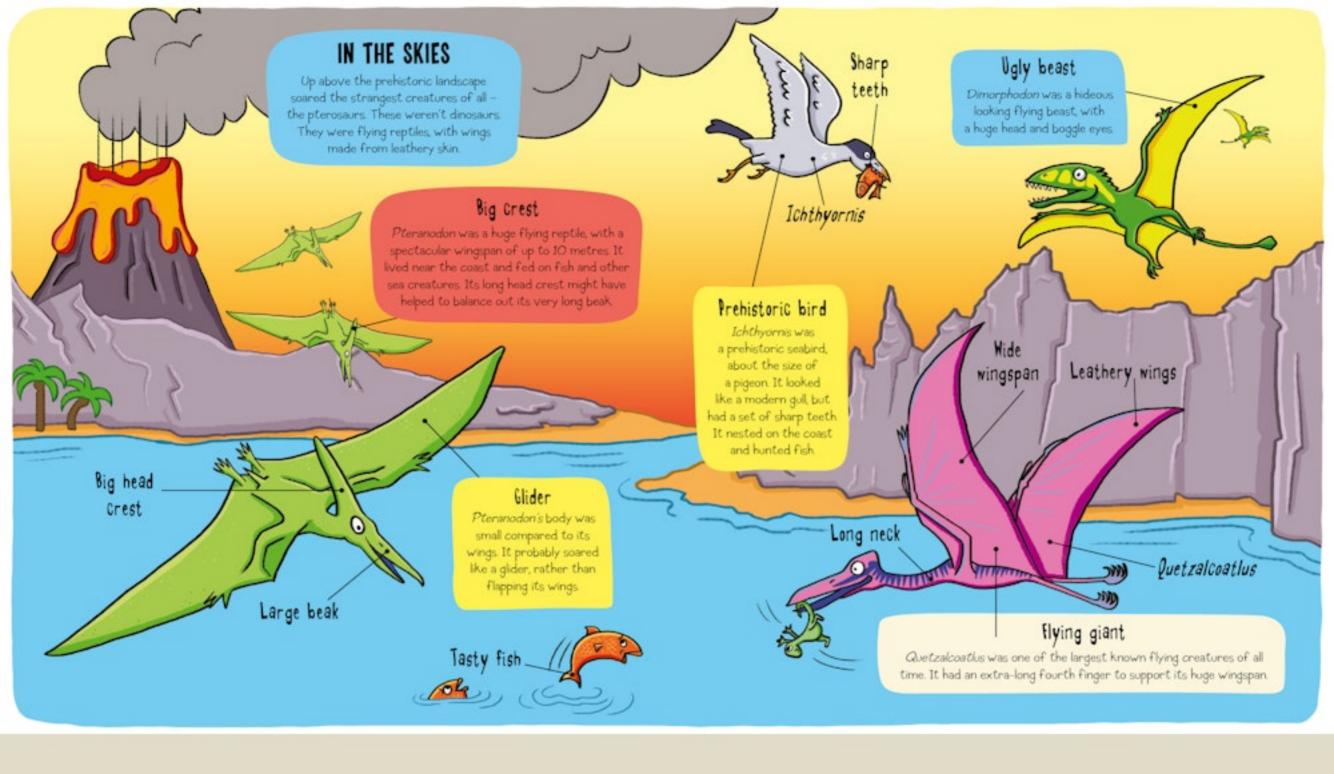
Big head

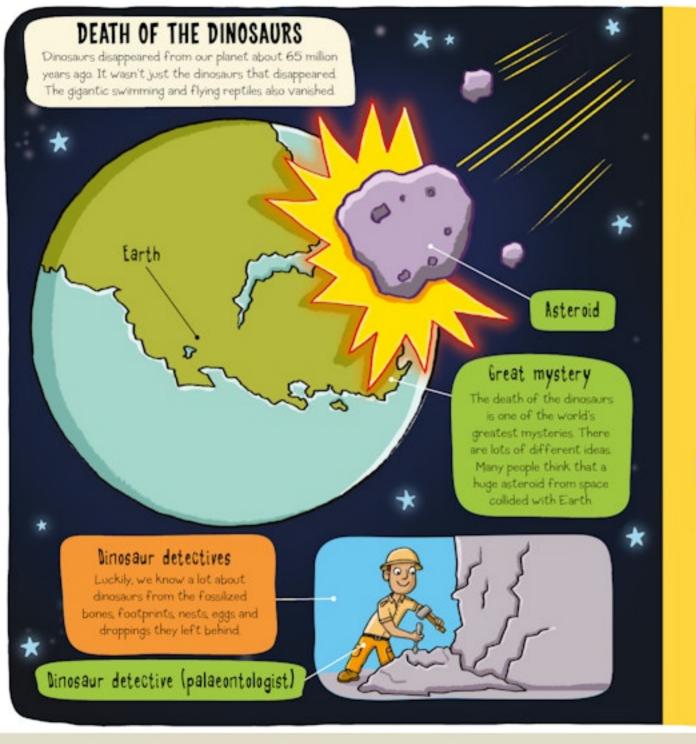
Some dinosaurs had enormous heads.

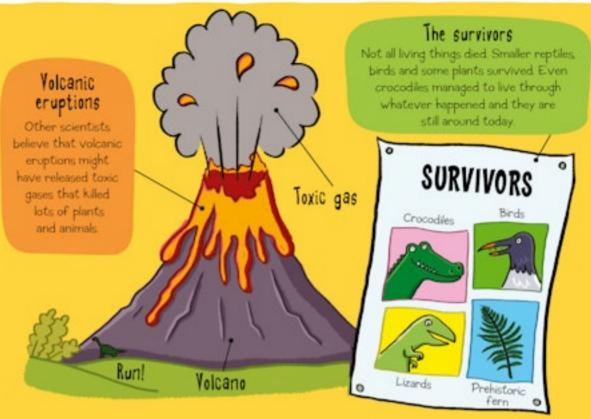
Pentaceratops's horned skull is a record breaker! This massive head, along with its horne, was used as a battering ram.











Now fossils form

 Fossils are formed over many thousands of years. The process begins when a creature dies. The creature's flesh and skin gradually starts to rot away, but the bones are left behind. The remains are covered by sand or mud. Many years pass and the sand or mud eventually turns to rock. The imprint of the creature is left in the rock. This is a fossil.





