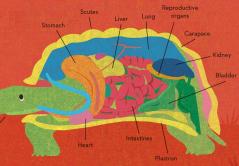


IT'S A REPTILE! (SO WHAT /S THAT?)

Reptiles don't have fur or feathers. Instead, their skin is covered in scales or bony plates, or both. Most reptiles lay eggs, but some of them give birth to their babies, like mammals do.

TURTLES AND TORTOISES

Instead of teeth, turtles and tortoises have a hard beak. A tough, bony shell covered in plates, called seutes, protects their soft bodies. The top of the shell is called the carapace, and the flat bottom is the plastron.



COLD BLOOD

Reptiles are cold-blooded. This means that they can't keep their bodies at a steady temperature, like we do. Instead, they have to bask in the sun to warm up. When they get too hot, they have to mow into the shade to cool down again.

LUNG POWER

The lungs of marine turtles are a bit like inflatabl armbands. When their lungs are full of air, the turtles can swim near the surface of the sea.

CROCODILIANS

There are 25 species of crocodilians, the large reptiles in the crocodile family. They have long bodies covered in bony scales and long jaws for snapping up fish. This family includes crocodiles, alligators, caiman and the rare gharial, which has a skinny snout lined with sharp teeth.

LIZARDS

Lizards have four legs and a tail and most of them are speedy movers. Many lizards have sharp claws, but geckos have sticky toes for gripping onto branches, or webbed feet that they use like hang gliders to 'fly' through the air.

SNAKES

A snake has no legs, but it can slither and slide using its uniquely shaped body. The scales on its underside grip the ground like the sole of a shoe, so it can push itself forwards with its muscles. These muscles move in waves, making the body move from side to side in an S-shape.



IT'S A BIG FAMILY!

Did you spot Ankylosaurus and Pteranodon, the extinct imposters?

Dinosaurs such as Ankylosaurus were reptiles. Dinosaurs first appeared around 240 million years ago and ruled the planet for the next 174 million years.

Pteranodon was a huge flying reptile with long, toothless jaws. Pteranodon wasn't a dinosaur - it belonged to a different group of reptiles called pterosaurs. The crocodilians are the closest relatives of Ankylosaurus and Pteranodon. Like Ankylosaurus, they have bony plates on their bodies.

organs



You can still see dinosaur-like features in modern reptiles. Jackson's chameleons have three horns, which make them look a bit like Triceratops!

REPTILES HAVE BEEN AROUND FOR AGES

Reptiles have been around for 312 million years. long before furry or feathered animals appeared. To put this into perspective, modern humans have only been on the planet for about 200,000 years!

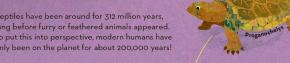
By 210 million years ago there were reptiles with bony shells, but Proganochelys looked much scarier than modern turtles. It had rows of spikes around its neck and a spiky tail that ended in a club - useful for walloping any predators that wanted to eat it.

A very strange-looking snake with four tiny legs lived 120 million years ago. Tetrapodophis had a long body for squeezing its prey to death, just like modern constrictor snakes.

This looks like a lizard, but it's not. It's a tuatara - a reptile that's been called a living fossil, because it is so similar to reptiles that lived at the time of the dinosaurs. Tuatara and its ancestors have been in New Zealand for more than 80 million years.

Amazingly, some reptiles did

survive. Six million years after the asteroid crashed into Earth, enormous snakes like Titanoboa - up to 14 metres long - were slithering through steamy prehistoric rainforests.



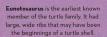
330-340 MILLION YEARS AGO

> All reptiles evolved from a group of animals called amphibians, like Balanerpeton. It laid its eggs in water, just like modern frogs and toads.

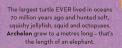


Hylonomus was probably one of the first types of reptile to evolve, about 312 million years ago. It had sharp teeth for eating bugs and it laid its eggs on land.

The first crocodilians, such as Protosuchus, looked like long-legged lizards and they were probably fast movers both on land and in the water. They had strong jaws and hunted their prey alongside dinosaurs.

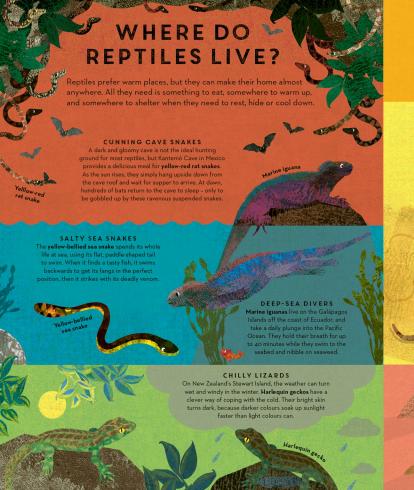


Sarcosuchus was a mighty meat-eating monster as long as a bus. This mega-croc had giant jaws that were lined with more than 120 teeth. It lived 112 million years ago.



Around 66 million years ago, an enormous ball of burning rock came from space and slammed into the planet. It caused huge fires and clouds of deadly smoke to fill the sky. Three-quarters of all animals and plants went extinct.





DESERT REPTILES

Reptiles rule in hot, dry deserts, where it rarely rains and few plants can grow. Snakes and lizards bask in the strong desert sun, which quickly warms up their muscles so they can chase bugs and scorpions.

SIDEWINDERS

Most snakes struggle to move across deserts. All those tiny grains of sand keep moving. making it difficult to grip onto the ground. To solve this problem. Mexican desert sidewinders scoot across the slippery sand by throwing their bodies into S-shaped coils. Only two parts of their body touch the hot sand at a time, so it's a cool way to travel - and speedy, too.



COOLING DOWN

The Sonoran Desert in North America is baking hot in the day. but becomes very nippy at night. Desert tortoises dia burrows so they have somewhere to hide from the sun and stay snug at night. Their feet are spade-shaped, so they're perfect for digging through soft sand.



ANT-EATERS

Mexican desert sidewinder

Spiky-skinned thorny devils live in Australia's Great Sandy Desert. They lap up passing ants with their sticky tongues, gobbling up hundreds at a time.

