

# SKELETONS



- 🦋 Skeletons support an animal's body and can protect it. There are different kinds of skeleton in the animal kingdom.
- 🦋 Some animals have **endoskeletons**. This means their skeleton is on the **inside** of their body, like a meerkat.
- 🦋 Others have **exoskeletons**. This means their skeleton is on the **outside** of their body, like a cricket.
- 🦋 Some animals even have something called a **hydrostatic skeleton** which is a skeleton made of **fluid**, like water, in fluid filled tubes to hold their bodies together! Animals such as jellyfish have a hydrostatic skeleton.
- 🦋 Without some form of skeleton an animal would just be like a blob of jelly unable to move and support itself!

💀 Do you think humans have an endo (inside) or an exo (outside) skeleton? .....

💀 Why? .....

- 🦋 Animals with exoskeletons have to shed their exoskeleton from time to time in order to grow bigger and to repair any damage. For example, crabs shed their exoskeleton to grow bigger.
- 🦋 Write the name of an animal you think sheds its **exoskeleton** and draw a picture of it in the box.
- 🦋 Animal name- \_\_\_\_\_

☠️ On this page are the pictures and names of different animals, some you may have seen in our videos. Discuss what kind of skeleton you think each animal has and why, then label them. Be careful, some of them are tricky!

Cockroach



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Tarantula



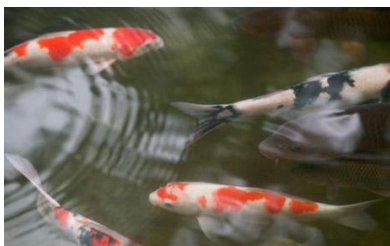
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Owl



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Fish



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Stick insect



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Snake



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Lobster



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Tortoise



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Hedgehog



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Bearded dragon



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😊 Go through the answers with Becky in Mondays lesson 😊


🕷️ Although a snake does shed its skin to grow, their skin is not their skeleton. They have a skeleton on the inside, like us, so they have an **endoskeleton**.

🕷️ Humans also shed their skin but the bits are so small we don't notice!

🕷️ Although tortoises have a shell, they also have an **endoskeleton** with a backbone, like ours. Their shell is actually fused to their ribs and is part of their endoskeleton.

## Vertebrates & Invertebrates

-  Animals with a backbone or spinal column are called **vertebrates**.
-  All the other animals that don't have a backbone are called **invertebrates**.


 Now we know humans have an **endoskeleton** (on the inside) do you think we are a vertebrate or an invertebrate? Why?

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 Look at the list of animals below. Discuss and decide which ones are **vertebrates** and which are **invertebrates**. Write them into the table.

*Fish, snails, spiders, reptiles, birds, insects, mammals, jellyfish*

Vertebrates	Invertebrates

 You may have seen some of these animals, or an artefact of one during your Teaching Talons Live Lesson. Write an example of each below.

**Fish=** .....

**Bird=** .....

**Spider/Arachnid=** .....

**Insect=** .....

**Snail/Gastropod=** .....

**Mammal=** .....

**Reptile=**.....

## Quiz Time!

Lets check we have remembered everything! Tick the correct answer.

☆ **A skeleton on the *inside* of an animal is called**

- An endoskeleton
- An exoskeleton
- A hydrostatic skeleton

☆ **A skeleton made of *fluid* filled tubes is called**

- An endoskeleton
- An exoskeleton
- A hydrostatic skeleton

☆ **A skeleton on the *outside* of an animals body is called**

- An endoskeleton
- An exoskeleton
- A hydrostatic skeleton

☆ **Some skeletons have to be shed so an animal can grow, These skeletons are**

- Endoskeletons
- Exoskeletons
- Hydrostatic skeletons

☆ **This animal sheds its skeleton**

- Crab
- Snake
- Jellyfish

☆ **An animal with a backbone or spinal column is called**

- A vertebrate
- An invertebrate

☆ **Humans are**

- Vertebrates
- Invertebrates

☆ **Humans have an**

- Endoskeleton
- Exoskeleton