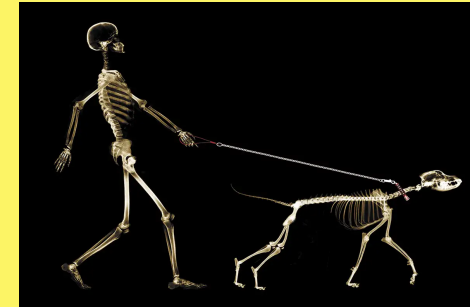
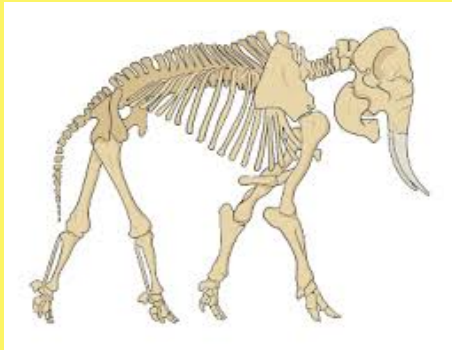




This term our topic for Science is

SKELETONS!



This term we will:

- *identify that animals, including humans, need the right types and amount of nutrition. I can identify that they cannot make their own food and that they get nutrition from what they eat.*
- *identify that humans and some other animals have skeletons and muscles for support, protection and movement.*

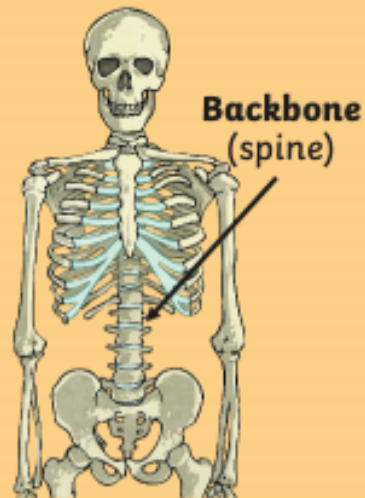
WALT sort animals based on their skeleton.

What do you think of when you hear the word
'skeleton'?

Vertebrates and Invertebrates

The difference between vertebrates and invertebrates is simple!

Vertebrates have a backbone (spine)...



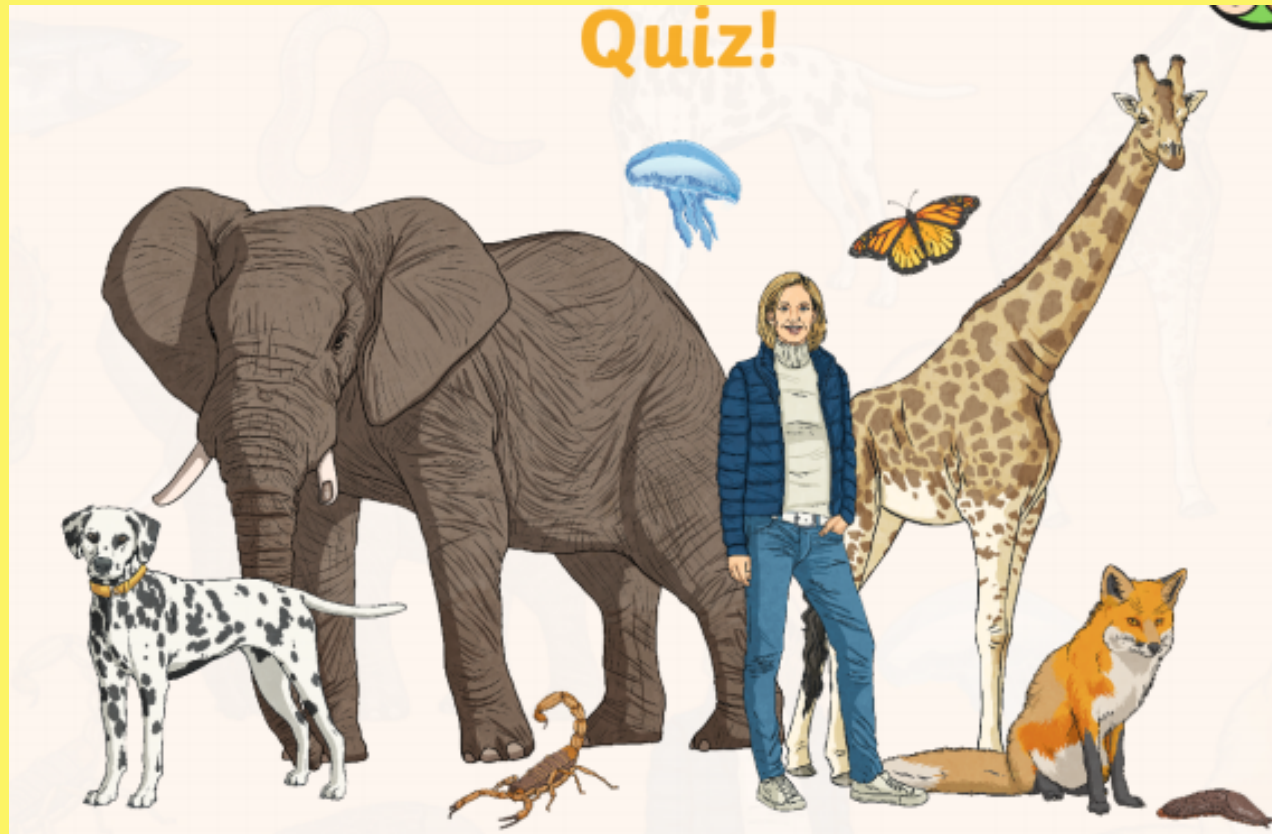
vertebrate

...and invertebrates don't



invertebrate

In this picture, which animals are vertebrates and which are invertebrates?



A further classification of skeletons comes from if an animal has a skeleton and where it is.

All vertebrates have an endoskeleton. However invertebrates can be divided again between those with an exoskeleton and those with a hydrostatic skeleton.

vertebrate
▼
endoskeleton



invertebrate
▼
exoskeleton



invertebrate
▼
hydrostatic skeleton



What do you think the words endoskeleton, exoskeleton and hydrostatic skeleton mean?

<https://www.youtube.com/watch?v=txhCfr9SJDI&feature=youtu.be>



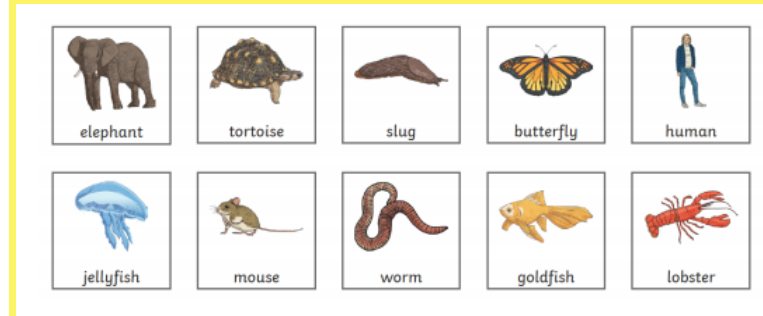
Endoskeleton means the skeleton is on the inside.

Exoskeleton means the skeleton is on the outside.

Hydrostatic skeleton means the animal has no bones.

Now complete the sorting activity. You may want to do some research of some of the animals that you are unsure about.

Endoskeleton	Exoskeleton	Hydrostatic Skeleton



- * Children to sort animals according to their skeleton type.
- ** Children to sort animals according to their skeleton type and give own examples of animals for each type of skeleton.
- *** Children to sort animals according to their skeleton type. Children to write one pro and one con for each type of skeleton.

Extension

Can you write down the pros (good points) and cons (bad points) for each skeleton?

Try to think of at least one of each for each skeleton!

Write down the meaning of these words:

Vertebrate =

Invertebrate =

Endoskeleton =

Exoskeleton =

Hydrostatic skeleton =