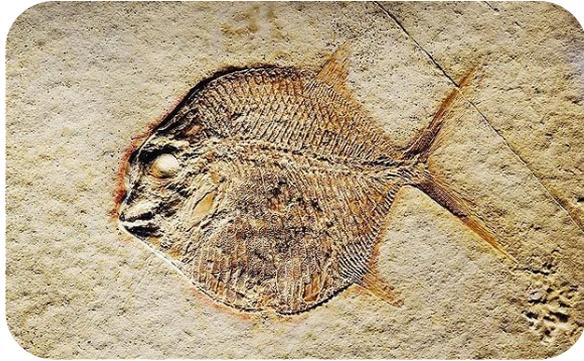


What are fossils?



Fossils are the remains of once living animals or plants.

Not all fossils are bones or dinosaurs.

There are many different kinds of fossils.



What can we find out from fossils?

We can find out which animals lived on Earth millions of years ago.

We can work out how they lived, what their habitat was like, what they ate and how they moved.

We can find out what lived on land and in the sea and rivers.

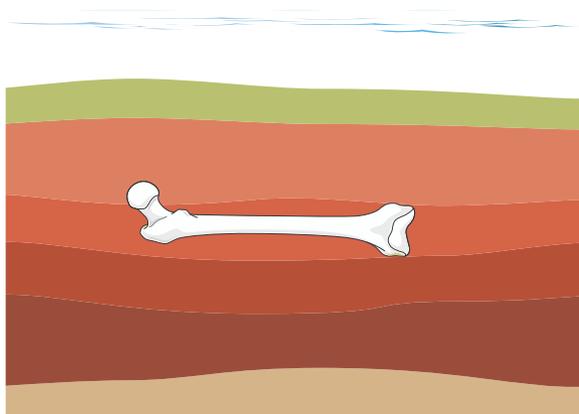
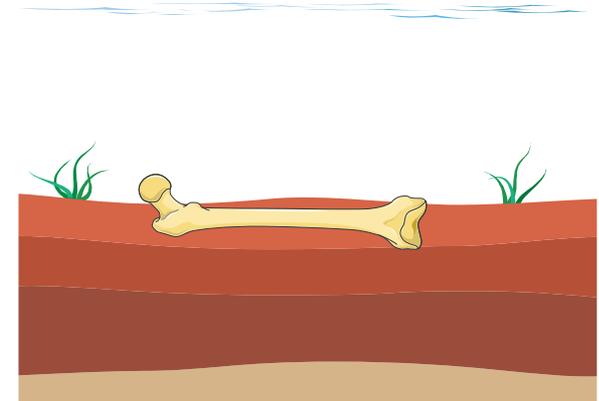
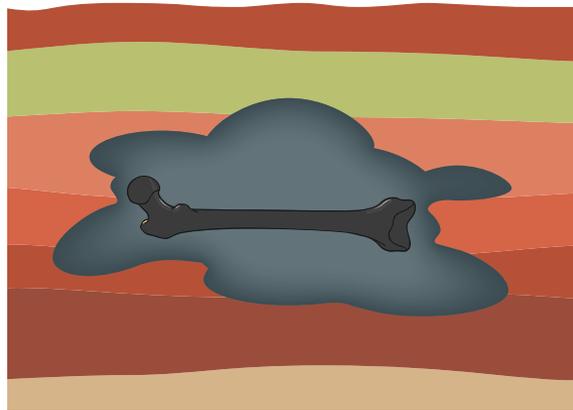
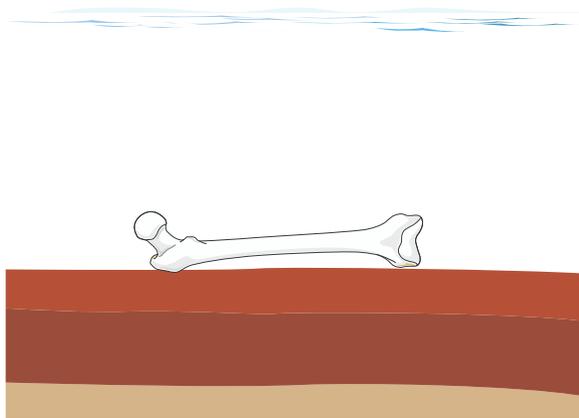
We can find out which plants lived on Earth millions of years ago, how big they were and what ate them.



Let's think like scientists

- Do rocks tell stories?
- Are fossils only found in rocks?
- What is a 'palaeontologist'?
- Do fossils always contain extinct plants and animals?

How are fossils formed?



<https://www.bbc.co.uk/bitesize/topics/z9bbkqt/articles/z2ym2p3>

Can you put the pictures in order after watching the clip?

What will you use to make your own fossil?



What else could you use to make your own fossil?

What could you use that we have today and would tell someone millions of years in the future what life was like today?



Ammonite

This is a fossil of an extinct sea creature which did not have a backbone.

They are often found in limestone or shale.



These are trilobites



What do you think made this fossil?

What does it tell us about the past?



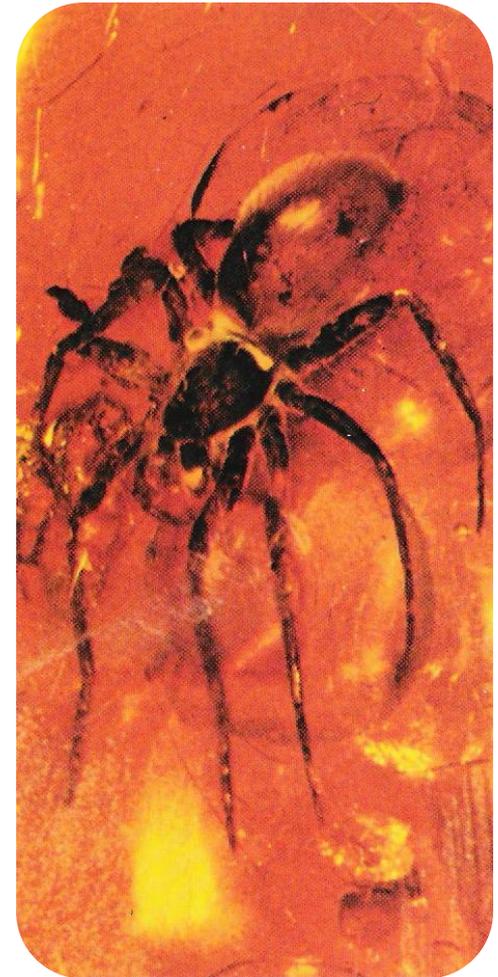
What do you think this is?
What does it tell us about the past?



Fossilised spider

This spider has been made into a fossil and is inside a substance called amber.

Amber is a resin which seeps out of a tree.



Mammoth in ice

This fossil of a mammoth was found perfectly preserved in ice.

Mammoths are now extinct.

Many of these have been found in Siberia which is part of Russia.



Petrified wood

Petrified means wood turned into stone.

The image shows the middle of a polished slice of a petrified tree from Arizona. It is possible to see the remains of living things deep in the tree. They lived approximately 230 million years ago.

