



Year 6
Science
wb 15th June 2020



Fossils

Fossils are formed when animal or plant remains decompose and the remains are trapped in layers of soil and mud. Over millions of years these layers are squashed and hardened to form **sedimentary rock**.

- These fossils, when uncovered, can provide evidence of what the animal (or plant) looked like, where it lived, what it ate etc)

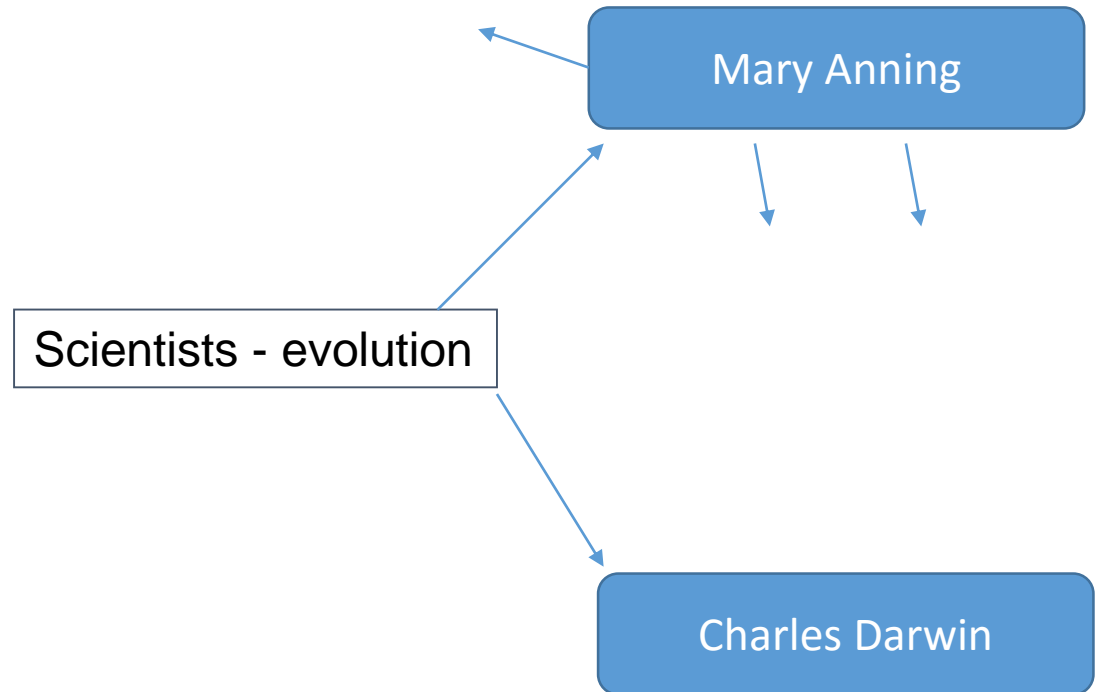


Lesson objective

To understand more about the key scientists involved in the science of evolution.



Creating a mindmap – Task 1



In the middle of your page write 'Scientists – evolution'



Mary Anning

- First, **watch** (approx. 10 mins):
- http://www.bbc.co.uk/schools/primaryhistory/famouspeople/mary_anning/
- Focus on how she and her father retrieved the fossils from the stones & also how Mary Anning's story is unusual for that time.
- Add information about Mary Anning to your mind map
- Extra information is on the an information sheet handout for you too.



Charles Darwin

First, **watch** (approx. 3 mins):

<https://www.youtube.com/watch?v=T0B6os-6uuc>

Who was Darwin?

What did Darwin discover?

Add this information to your mind map.

Extra information is on the an information sheet handout for you too.



Alfred Wallace

- https://kids.kiddle.co/Alfred_Russel_Wallace
- Use the information from this webpage to add details to your mind map.
- Or watch:
- <https://www.youtube.com/watch?v=H8q3my7ujws>



Task 2

The earth is formed of many layers.
Think about this sand bottle.

What colour sand layer has been in the
Bottle the longest amount of time?
How do you know?

Earth layers work exactly like this.





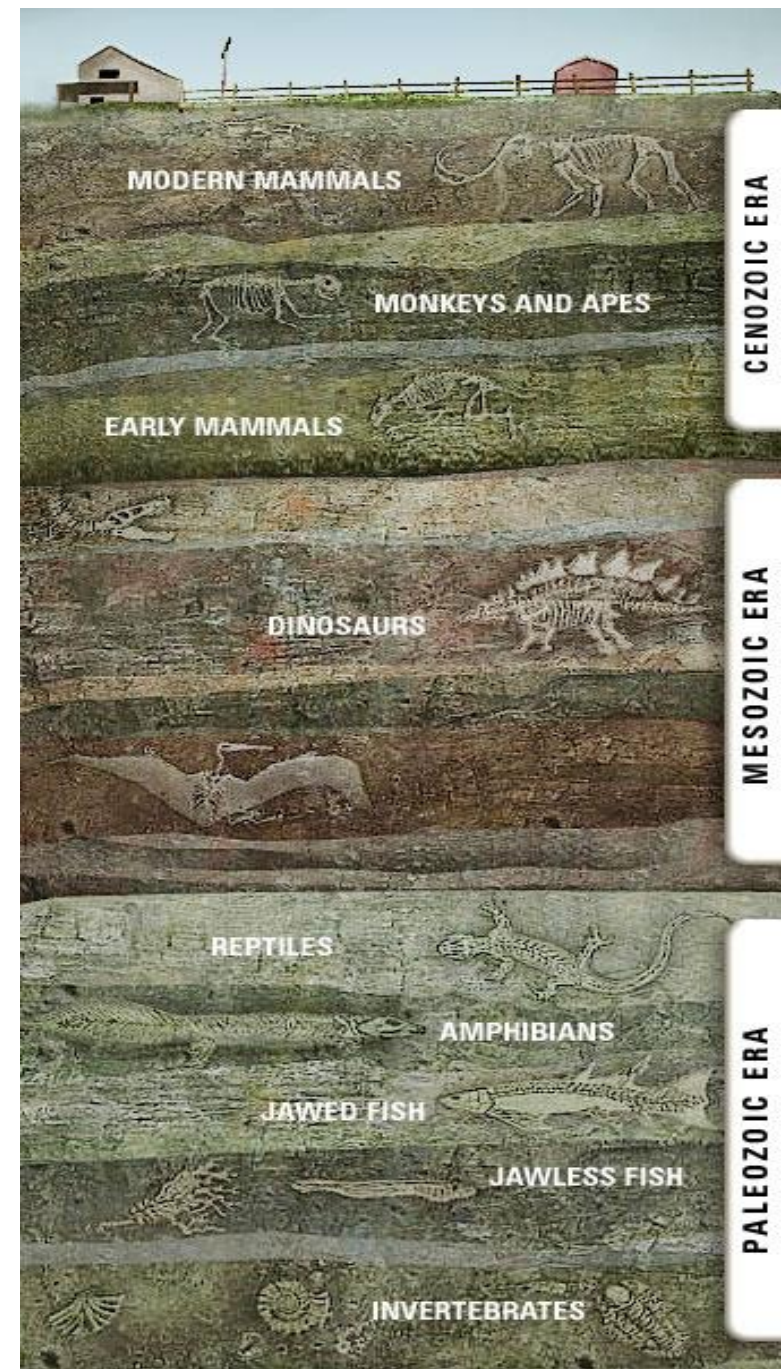
The lower the layer of rock,
the longer that layer has been
there.

That means that the fossils which are
found on deeper layers are the oldest.

These layers are named into different
eras.

**Your challenge is to create a diagram
to explain this information.**

Use the picture on the right to help you.
The diagram **must** be labelled showing
how these layers have built up over
millions of years and why different
fossils are be found in the different layers.





Challenge

- **All** Underneath the title 'Fossils and Evolution',
- Explain what a fossil is.
- **Challenge**: Include 'sedimentary', 'evolved' (or 'evolution') & 'extinct' within your writing. Remember to explain what they mean in as much detail as possible. (Use of ref sheets/tablets.)