

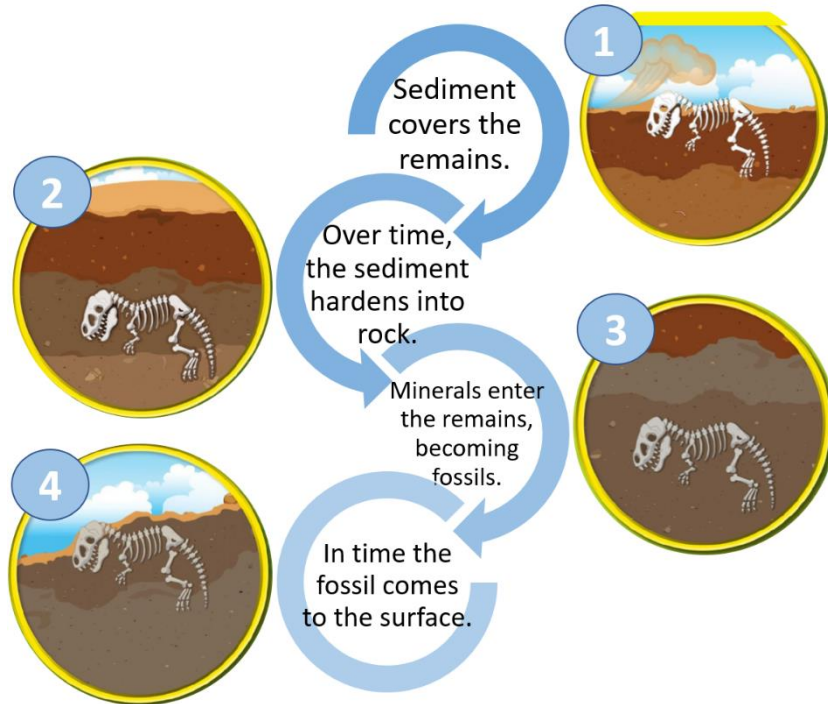
# Rocks (Y3)

## Vocabulary

fossilisation	fossil	particle	rock	soil	weathering
					
Process of a <b>fossil</b> being formed.	<b>Imprints in rocks</b> of dead plants and animals.	<b>Tiny pieces of matter.</b>	<b>Natural solid</b> made by <b>minerals coming together.</b>	Mixture of <b>tiny particles</b> of rock, dead plants and animals.	Process of <b>rocks changing or breaking apart naturally.</b>

## Big Ws: Fossils

- Formed in **sedimentary rocks**.
- They are made from the **remains of dead plants and animals**.



## Important People







**Mary Anning**  
(1799 – 1847)



- Discovered the **first fossils** in England.

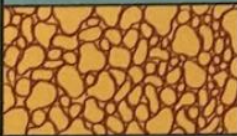



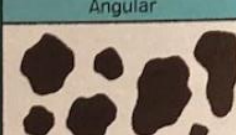


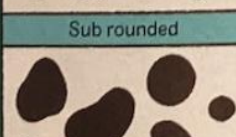



## Big Ws: Rocks

igneous rock	metamorphic rock	sedimentary rock
<ul style="list-style-type: none"> <li>➤ Contain <b>crystals</b>.</li> <li>➤ Some have <b>holes</b> from <b>bubbles</b> when the rock formed.</li> </ul>	<ul style="list-style-type: none"> <li>➤ Often have <b>grains</b> that are <b>all in the same direction</b>.</li> </ul>	<ul style="list-style-type: none"> <li>➤ <b>Grains of sediment</b> squashed together.</li> <li>➤ Can contain <b>pebbles</b>, <b>crushed shells</b>, <b>bones</b>, pieces of <b>coral</b> and <b>fish poo</b>.</li> </ul>
 <p>Granite      Scoria</p>  <p>Pumice      Obsidian</p>	 <p>Marble      Slate</p>  <p>Quartzite      Gneiss</p>	 <p>Sandstone      Limestone</p>  <p>Shale Conglomerate      Gypsum</p>

Compare the hardness of rocks.

Compare the grains of rocks.

SIZE OR TEXTURE	SHAPE	PATTERN
		
Gravel-sized	Angular	Poorly sorted
		
Sand-sized	Sub rounded	Moderately sorted
		
Crystalline	Well rounded	Well sorted

## Big Ws: Weathering

**Sedimentary rocks** are weathered by **wind, water** and ice.

Weathering changes the **shape, size** and **colour** of the rocks.



This happens over a **long period of time**.

SCAN ME



## Big Ws: Soil

- Soil is **formed from rocks** that have been **weathered**.
- It is a mixture **living and dead plants and animals**, **rocks, air and water**.

### clay

- **Heavy and sticky.**
- **Small rock particles.**



### sandy soil

- **Gritty**
- **Large rock particles.**



### silt

- **Smooth**
- **Medium-sized rock particles.**

