

# THE ROCK CYCLE

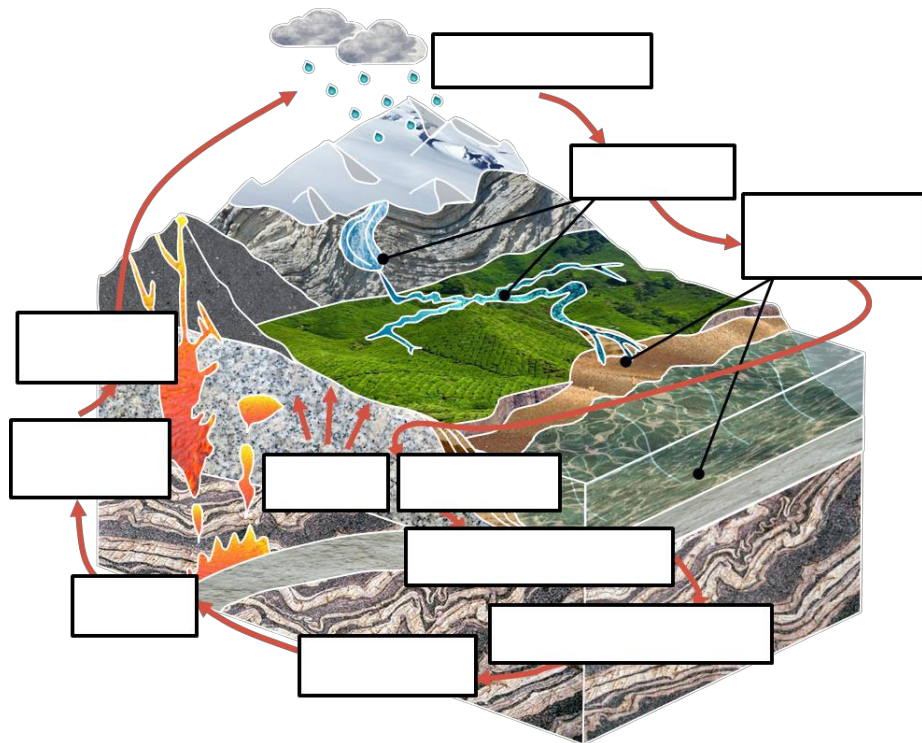
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There are three main types of rocks: **igneous, sedimentary and metamorphic rocks** and these rocks all form in different ways. Fill in the questions below test your rock knowledge.

## 1. THE ROCK CYCLE

Use the phrases in the word bank below to label the different **processes** and **rock types** in the rock cycle.

WORD BANK:	Metamorphosis	Erosion & transport	Metamorphic rock	Crystallisation of magma	Weathering
	Melting	Uplift	Deposition of sediments	Sedimentary rock	
	Burial & compaction	Igneous rock			



### YOU WILL NEED:

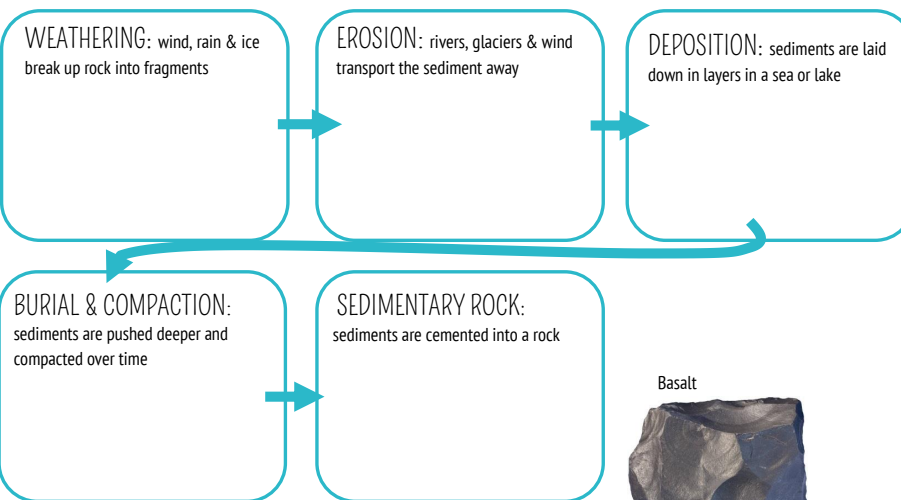
- Geological Society 'The Rock Cycle' factsheet
- Colouring pencils
- Basalt and granite rock samples (optional)

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## 2. SEDIMENTARY ROCKS

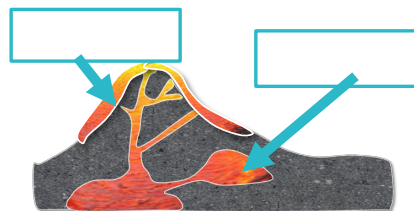
a) Use the space below to draw the stages in which a **sedimentary rock** might form.



## 3. IGNEOUS ROCKS

**Granite** and **basalt** are two types of **igneous rock**. Granite has large crystals whereas basalt has tiny crystals.

a) Label the diagram to show where each rock forms.



b) Why do you think granite usually has larger crystals than basalt?  
Tip: Think about temperature.

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## 4. METAMORPHIC ROCKS

How can a sedimentary rock become a metamorphic rock?

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