THE ROCK CYCLE

YOU WILL NEED:

factsheet

 Colouring pencils Basalt and granite rock samples

· Geological Society 'The Rock Cycle'

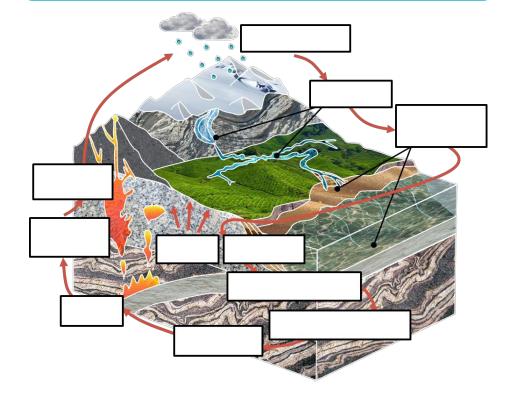
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There are three main types of rocks: igneous, sedimentary and metamorphic rocks and these rocks all form in different ways. Fill in the questions below test your rock knowledge.

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	Metamorphosis	Erosion & transport	Metamorphic ro	ck Crystallis	ation of	Weathering
	Meltino	ı Ur	lift	magma		
BANK: Buria	al & compaction	laneous rock	Deposition of	of sediments	Sedimen	tary rock



THE ROCK CYCLE



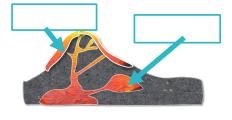
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2. SEDIMENTARY ROCKS

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

WEATHERING: wind, rain & ice EROSION: rivers, glaciers & wind DEPOSITION: sediments are laid. break up rock into fragments transport the sediment away down in layers in a sea or lake BURIAL & COMPACTION: SEDIMENTARY ROCK: sediments are pushed deeper and sediments are cemented into a rock compacted over time Basalt 3. IGNFOUS 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.

4. METAMORPHIC ROCKS

How can a sedimentary rock become a metamorphic rock?