

The Rock Cycle

Simon's Story

Level Assessed Task



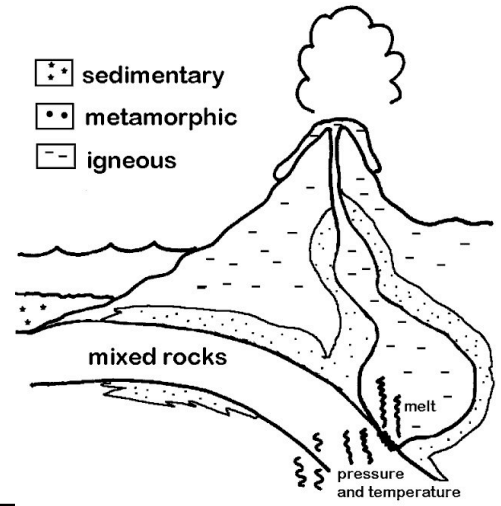
400 million years ago Simon was a grain of sand sunning himself on a beach in the tropics.

His early life was sedimentary but after a period of change, life hotted up.

Eventually, after lots of adventures, he found himself on another beach with lots of interesting memories.

Keywords

lava buried metamorphosis pressure
 igneous melted volcano cemented
 deeper eroded sandstone magma
 weathered deposited sedimentary



Your Task

Write the story of Simon's journey as he travels from a beach in the Caribbean to another beach 400 millions years later.

Use ideas about the rock cycle and the following points to help you.

- How he first becomes a piece of rock.
- The processes which made him change from one rock to another.
- How he ended up back on a beach.

Level	You should be able to...
C	Know that there are 3 different types of rock. Know that rocks have been around for a long time.
B	Correctly name the 3 types of rock. Correctly use ideas about weathering and erosion.
B+	Explain how igneous and metamorphic rocks are formed. Describe the characteristics of the different types of rocks.
A	Know that younger rocks lie on top of older rocks. Explain how crystal size depends on rate of cooling. Explain the effect of heat and pressure on rocks.
A*	Use ideas about particles to explain how different rates of cooling lead to different particle sizes.