

Nova's Guide to Remarkable Rocks

Learning objective: To describe the physical properties of rocks and explain how they are formed using scientific vocabulary.

Use this writing frame to help Nova the Owl report on the different types of rocks found in the UK. Ensure you use scientific terms like 'permeable', 'sedimentary', 'igneous', and 'metamorphic'.

Deep beneath our feet, the Earth is made of many different types of fascinating rocks, each with its own unique story to tell.

Word bank: furthermore · in contrast · consequently · sedimentary · igneous · metamorphic · permeable · texture · layers · magma

1. Introduction: Describe the three main groups of rocks. You could start by saying: 'There are three main categories of rocks found on Earth, which are...' (2 marks)

2. Igneous Rocks: Explain how igneous rocks are created. You could start by saying: 'Igneous rocks are formed when...' (2 marks)

3. Sedimentary Rocks: Describe how sedimentary rocks are formed over time. You could start by saying: 'Over millions of years, layers of sediment...' (2 marks)

4. Metamorphic Rocks: Explain the process that creates metamorphic rocks. You could start by saying: 'Metamorphic rocks begin as other types of rock, but are changed by...' (2 marks)

5. Comparing Properties: Why might a builder choose a specific rock for a wall? You could start by saying: 'Builders consider whether a rock is permeable or hard because...' (2 marks)

Extension challenge: Research a fossil found in the UK. Write a short paragraph explaining why fossils are usually found in sedimentary rock rather than igneous rock.