

Nova's Rock Discovery Journal

Learning objective: To describe the physical properties of different rocks and explain how they were formed.

Use this frame to help you write a scientific report about three different rocks you have investigated. Use the word bank to help you describe what you see, feel, and touch.

Today, I went on a rock-hunting adventure with Nova to discover the hidden secrets of the Earth's crust.

Word bank: sedimentary · igneous · metamorphic · texture · permeable · hard · durable · grains · crystals · whereas · however · in addition

1. Introduction: Start by explaining why you are studying rocks today. You could begin with: 'Nova and I decided to investigate rocks because...' (2 marks)

2. Describing the rocks: Choose one rock you have examined. Describe its appearance, colour, and texture. Start with: 'The first rock I examined was... It felt like...' (3 marks)

3. The science bit: Based on your observation, is the rock permeable or impermeable? Explain how you know. Use: 'I think this rock is... because...' (3 marks)

4. Formation: Describe how you think this rock was formed. Use: 'This rock belongs to the... group, which means it was made when...' (3 marks)

5. Conclusion: Summarise why rocks are useful in our everyday lives. Start with: 'In conclusion, rocks are important because...' (2 marks)

Extension challenge: Research one type of fossil and write a short paragraph explaining how it became trapped inside a sedimentary rock.