

Nova's Rock Discovery Fact-File

Learning objective: To identify and describe the physical properties of different types of rocks.

Hello! I am Nova the owl. I have been exploring the ground to find different rocks. Use this fact-file to describe the rocks you find. You can look at the color, texture, and hardness of each rock. Fill in the boxes below to share your findings.

Word bank: sedimentary · igneous · metamorphic · hard · soft · rough · smooth · shiny · dull · layer

1. Rock Name or Number: Give your rock a name or a number so you can track it. What does it look like? (2 marks)

2. Texture: Is the rock rough or smooth? Can you see any grains or layers? (2 marks)

3. Hardness Test: If you scratch the rock gently with a coin, does it leave a mark? Is it a hard or soft rock? (2 marks)

4. My Conclusion: Based on what you see, do you think this is an igneous, sedimentary, or metamorphic rock? Why? (3 marks)

Extension challenge: Find one more rock and see if it is heavier or lighter than your first rock. Can you group them into 'heavy' and 'light' piles?