

Nova's Rock Discovery

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

Read the story carefully. Use the word bank to help you understand the words. Answer the questions in the boxes provided.

Nova the barn owl flew to the rocky cliff to study the ground. She saw three types of rocks. First, she found igneous rock. It was made from hot, melted rock that cooled down. It felt very hard. Next, she found sedimentary rock. This rock had many thin layers. It was made of tiny bits of sand and shells pressed together over a long time. Finally, Nova looked at metamorphic rock. This rock started as another type of rock but changed because of intense heat and pressure deep underground. Each rock has different properties, like how hard it is or its color. Nova used her notebook to write down what she saw. She knows that rocks are part of the Earth beneath our feet. Some rocks are smooth, while others are rough. She loves learning about how these rocks were formed long ago. It is like reading a secret story hidden in the ground! Nova is happy to be a little scientist today.

Word bank: Igneous · Sedimentary · Metamorphic · Hard · Layers · Properties

1. What are the three types of rocks that Nova found? (2 marks)

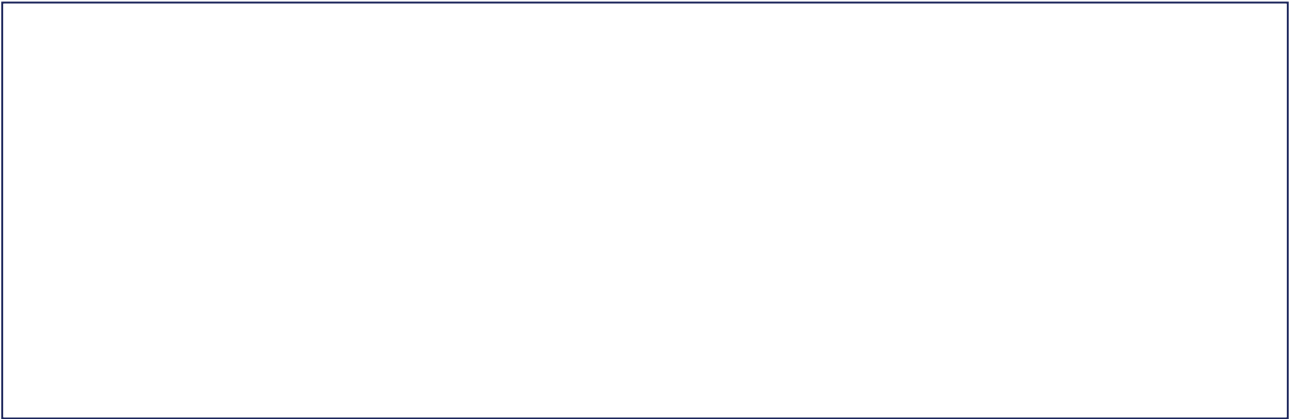
2. What is sedimentary rock made from? (2 marks)

3. Why do you think metamorphic rock is harder to find than other rocks? (2 marks)

4. What does Nova mean when she says rocks tell a 'secret story'? (2 marks)

5. If you were a scientist, which type of rock would you want to find? Why? (2 marks)

Draw: Draw a picture of Nova the owl looking at a rock. Draw layers inside the rock to show it is a sedimentary rock.



Extension challenge: Go into your garden or to a local park. Find two different types of stones. Write down how they feel (smooth, rough, bumpy) and what color they are.