

Year 4 Science: All About Rocks

Learning objective: To identify and describe the properties of rocks and understand how fossils are formed.

Hello! I am Nova the owl. Read each question carefully. Use the word bank if you get stuck. Good luck!

Rocks are all around us. Some are hard, and some are soft. Some rocks let water pass through them, while others do not. Rocks are grouped into three types: igneous, sedimentary, and metamorphic.

Word bank: igneous · sedimentary · metamorphic · fossil · hard · permeable · soil

1. Name one type of rock from the word bank. (1 mark)

2. Nova the owl finds a rock that lets water soak through it. What is the science word for a rock that allows water to pass through? (2 marks)

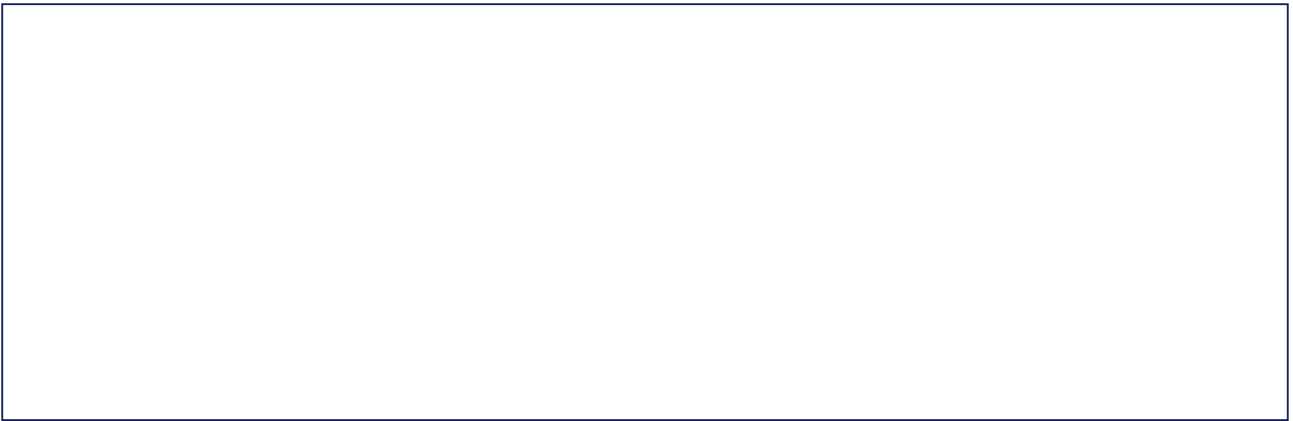
3. Look at the rock in your hand. How can you tell if it is a hard rock? Give one way to test it. (2 marks)

4. Explain how a fossil is made. Use these sentence starters: A fossil is made when... Then, the layers of mud... (4 marks)

5. Max the monkey says all rocks are the same. Do you agree? Write two sentences to explain why he is wrong. (4 marks)

6. Imagine you are a scientist. Describe the journey of a piece of rock turning into soil. You could mention the wind, rain, or plants. (5 marks) (12 marks)

Draw: Draw a picture of a sedimentary rock showing the different layers of sediment. _____



Extension challenge: Total: /25