

Nova's Rock Sorting Adventure

Learning objective: To identify and describe the properties of different types of rocks (igneous, sedimentary, and metamorphic).

Nova the owl has found three different rocks! Look at the descriptions below. Draw a line to match the rock type to its correct description. Then, fill in the blanks using the words from the word bank to help Nova label her collection.

Word bank: Igneous · Sedimentary · Metamorphic · Heat · Pressure · Volcano

1. Match the rock to its clue:

- **Igneous:** Formed from cooling lava from a _____.
- **Sedimentary:** Formed from layers of sand and mud.
- **Metamorphic:** Formed by lots of _____ and _____. (3 marks)

2. Nova found a rock with layers in it. Which type of rock is it? (1 mark)

3. Some rocks are very hard. Can you name one property of a rock you might find in your garden? (1 mark)

4. Why do you think some rocks have small holes in them? (2 marks)

Draw: Draw a picture of a sedimentary rock. Make sure you show the different layers of sand and mud stacked on top of each other.

Extension challenge: Nova wants to know if your rock is permeable (lets water through) or impermeable (water stays on top). Find a small pebble, place it in a tray, and carefully pour a spoonful of water over it. What happens?