Nova’s Geological Journey: The Rock Cycle

Learning objective: To identify and illustrate the three main types of rock and describe how they are formed within the rock cycle.

Follow the drawing prompt below to create a diagram of the rock cycle. Use your labels to show the processes that change one rock type into another.

Draw: Draw a large circular diagram representing the Rock Cycle. At the top, draw a volcano erupting to represent magma cooling into Igneous Rock. On the side, draw layers of sediment pressing down to form Sedimentary Rock. At the bottom, show deep underground conditions where rocks are squeezed and heated to become Metamorphic Rock. Use arrows to connect these stages, showing how rock can cycle from one form to another. Keep the style clear and scientific, like a textbook diagram.

Label words: Magma · Igneous Rock · Sedimentary Rock · Metamorphic Rock · Weathering and Erosion · Heat and Pressure · Cooling

Steps:

1. Explain the difference between how igneous rock is formed compared to sedimentary rock.
2. What does the term 'weathering' mean when we talk about rocks?
3. Label your drawing to show where 'Heat and Pressure' causes a change.

4. Draw an arrow to show the path from magma to igneous rock.
5. Why might a sedimentary rock be found in layers?