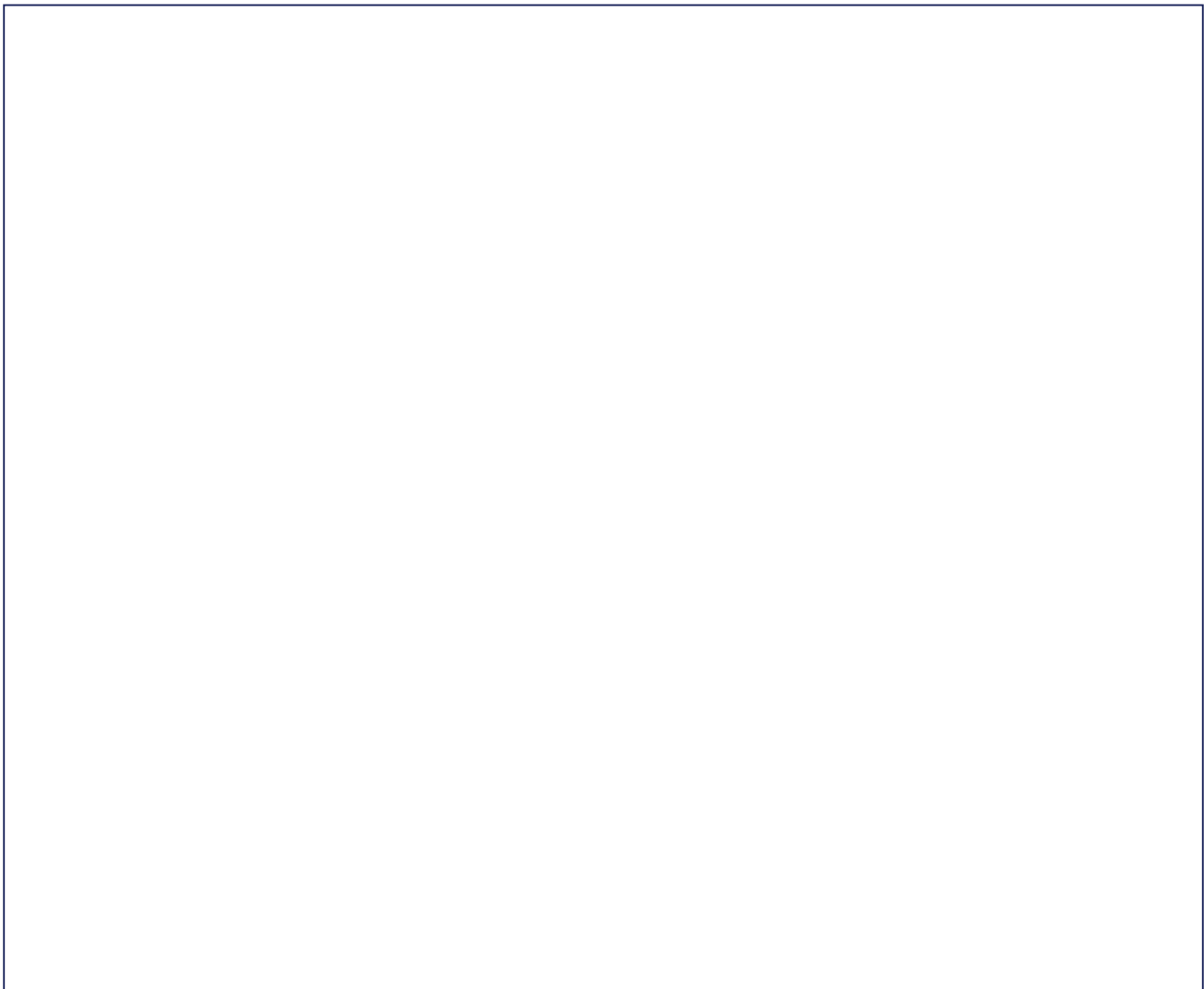


Nova's Rock Investigation

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

Nova the Owl is exploring the rocky cliffs near her home. Use your scientific knowledge to draw and label the different types of rocks she has found. Follow the steps below to complete your diagram.

Draw: Create a landscape scene featuring a rugged cliff side. Use a clear, labelled diagram style. Draw three distinct rock formations: a layered sedimentary section, a crystalline igneous section, and a twisted, wavy metamorphic section. Include Nova the Owl in the corner with a magnifying glass. Use detailed lines to show the texture of each rock type.



Label words: Sedimentary · Igneous · Metamorphic · Layers · Crystals · Fossils

Steps:

1. Step 1: Draw a tall cliff with clear horizontal stripes. Label this 'Sedimentary rock'. Why does it have layers?
2. Step 2: Draw a jagged rock near the base of the cliff with shiny spots on it. Label this 'Igneous rock'. What do the shiny spots represent?
3. Step 3: Draw a smooth, wavy-looking rock. Label this 'Metamorphic rock'. How does this rock change?
4. Step 4: Draw a small fossil hidden inside one of the sedimentary layers. Which type of rock is best for finding fossils?

5. Step 5: If you were buying a rock collection for £5.00, why would it be important to know the difference between these three types?