Nova’s Water Cycle Workshop

Learning objective: To describe and explain the water cycle as a scientific process, including evaporation, condensation, precipitation, and collection.

Follow the drawing steps to create a diagram of the water cycle. Use your best scientific labels to identify each stage of the process. Ensure your arrows show the direction that water travels through the environment.

Draw: Create a clear, scientific diagram of the water cycle. Use a landscape orientation. Include a mountainous landscape, a lake, the sun, and clouds. Use blue ink or pencils for the water elements (rain, rivers, lake) and yellow for the sun's rays. Use black pens for drawing sharp, clear arrows that show the continuous movement of water from the surface to the atmosphere and back again.

Label words: Evaporation · Condensation · Precipitation · Collection · Water vapour · Sun

Steps:

1. Step 1: Draw a large, bright sun in the corner and a body of water at the bottom. Draw arrows pointing upwards from the water to show it heating up. Label this process.

2. Step 2: Draw fluffy clouds in the sky. Draw small droplets forming inside them. Which process causes water vapour to turn back into liquid water droplets? Label it.

3. Step 3: Draw rain or snow falling from your clouds back down to the ground. What is the scientific name for this part of the cycle?

4. Step 4: Draw a river or stream leading back into your main body of water. Label this as 'Collection'. Why is the sun important for this entire cycle to keep moving?

5. Step 5: Nova the owl wants to know: what state of matter is water vapour in? Is it a solid, a liquid, or a gas?