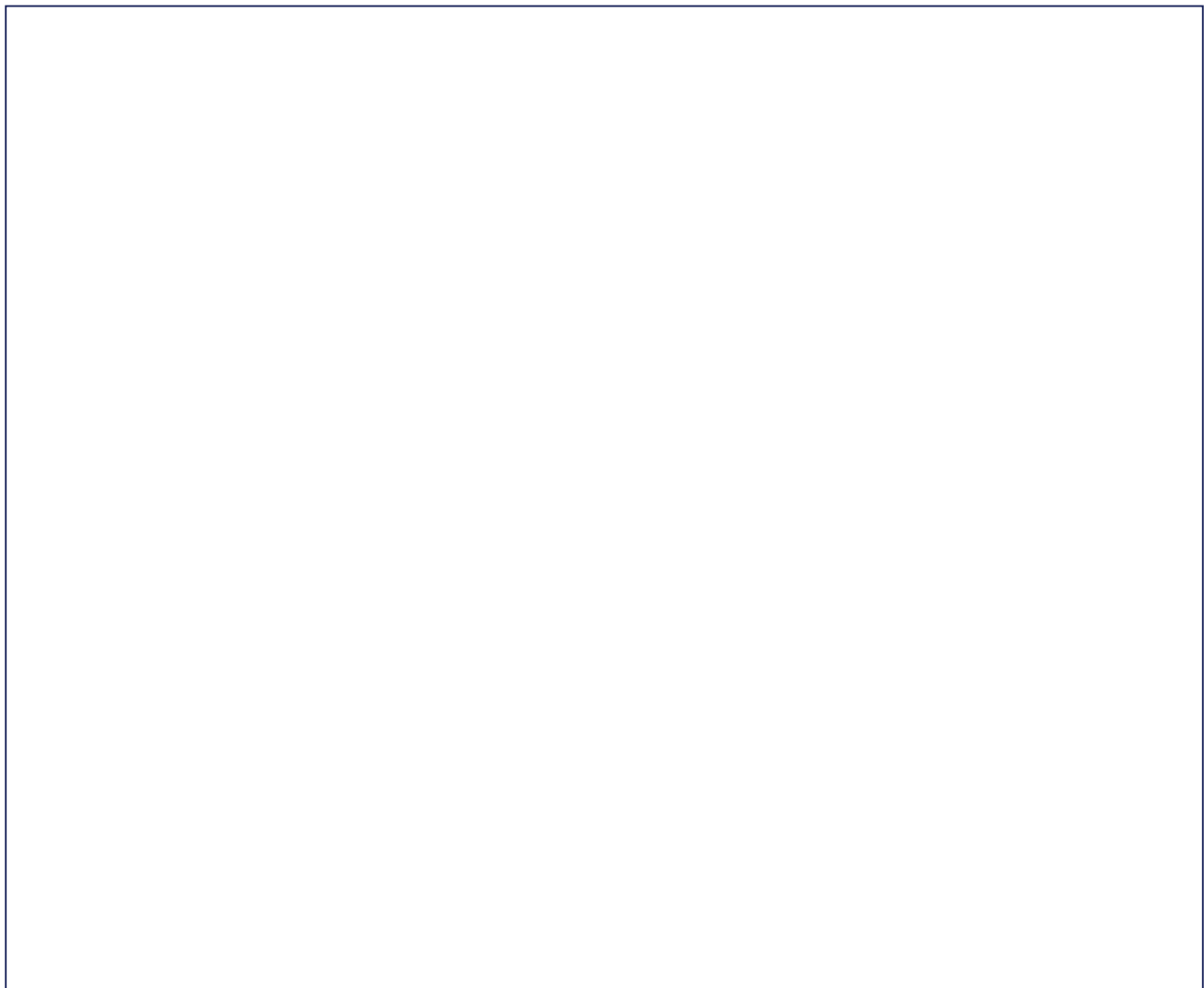


Nova's Magnificent Water Cycle Journey

Learning objective: To identify and describe the main stages of the water cycle, including evaporation, condensation, precipitation, and collection.

Nova the owl is observing the earth from high above. Use the labels provided in the word bank to annotate your diagram. Ensure your arrows show the direction that water travels as it moves through the environment.

Draw: Create a landscape scene that includes a large blue ocean on the left and tall, jagged mountains on the right. In the sky, draw the Sun and several fluffy clouds. Use thick arrows to indicate the circular motion of the water cycle: rising vapour, drifting clouds, falling rain, and flowing rivers returning to the sea. The style should be clear and diagrammatic, similar to a scientific textbook illustration.



Label words: Evaporation · Condensation · Precipitation · Collection · Water vapour · Sun's heat

Steps:

1. Step 1: Draw the Sun in the corner and use arrows to show its heat reaching the ocean. Label the process where liquid water turns into water vapour.
2. Step 2: Draw clouds forming above the mountains. Label the process where water vapour cools down to form clouds.
3. Step 3: Draw rain falling from your clouds. Label this stage of the water cycle.

4. Step 4: Explain why the Sun is necessary for the water cycle to continue. What might happen if the Sun stopped warming the Earth's surface?
5. Step 5: Compare and contrast how water travels in a river versus how it moves as clouds. Justify why the water cycle is considered a 'cycle'.
6. Step 6: If you were a droplet of water, describe your journey from the sea, up to the sky, and back down to the ground. Use scientific terminology.