

Nova's Water Cycle Journey

Learning objective: To describe and understand the processes of the water cycle, including evaporation, condensation, precipitation, and collection.

Nova the owl has been watching the clouds and the river from her tree. Use the word bank to correctly sequence and label the stages of the water cycle in the diagram below. Then, write a short explanation of what is happening at each stage.

Word bank: Evaporation · Condensation · Precipitation · Collection · Water Vapour · Sun's Heat

1. 1. When the sun warms the water in the sea, it turns into an invisible gas called water vapour. What is this process called? (1 mark)

2. 2. Explain what happens to the water vapour as it rises high into the sky and starts to cool down. (2 marks)

3. 3. What are the three different forms that precipitation can take when it falls from the clouds? (3 marks)

4. 4. Why is the 'Collection' stage important for the water cycle to start all over again? (2 marks)

5. 5. If the sun stopped shining, what do you think would happen to the water cycle? Explain your reasoning. (2 marks)

Draw: Draw a large diagram showing the sun shining on a lake, water turning into clouds, rain falling over a mountain, and a river flowing back into the lake. Label your diagram using the words from the word bank.



Extension challenge: Imagine you are a tiny drop of water. Write a diary entry describing your journey through the water cycle. Where did you start, and where did you end up?