

Nova's Water Cycle Wonders

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

Join Nova the barn owl on an adventure through the clouds! Read each question carefully and select the best answer to show what you know about how water moves around our planet.

Answer Key: 1. A, 2. True, 3. Evaporation, 4. B, 5. False, 6. Precipitation, 7. C, 8. True, 9. Condensation, 10. D. Summary: The water cycle is a continuous process driven by energy from the Sun. Water turns into vapour, cools to form clouds, falls as rain or snow, and gathers in rivers and seas.

Word bank: Evaporation · Condensation · Precipitation · Collection · Transpiration · Sun · Water Vapour

1. 1. What provides the energy to power the entire water cycle? A) The Moon B) The Sun* C) Wind D) Clouds (1 mark)

2. 2. True or False: Water vapour is a gas. (1 mark)

3. 3. What is the process called when the sun warms the water in oceans and lakes, turning it into water vapour? (1 mark)

4. 4. When water vapour cools down high in the air and turns back into liquid water droplets, this is called: A) Evaporation B) Condensation* C) Melting D) Freezing (1 mark)

5. 5. True or False: Clouds are made of solid blocks of ice. (1 mark)

6. 6. Rain, snow, sleet, and hail are all forms of what? (1 mark)

7. 7. Where does water usually go after it falls as precipitation? A) Into space B) Into a desert C) Collection areas like rivers and seas* D) Into a vacuum (1 mark)

8. 8. True or False: The water cycle has no beginning and no end; it is a continuous loop. (1 mark)

9. 9. Which process is responsible for the formation of clouds? (1 mark)

10. 10. Which of these is NOT a stage of the water cycle? A) Evaporation B) Condensation C) Precipitation D) Photosynthesis* (1 mark)

Draw: Draw a large, colorful diagram of the water cycle. Include a bright sun, a mountain with a river, a fluffy cloud releasing rain, and label the four main stages: Evaporation, Condensation, Precipitation, and Collection.



Extension challenge: Imagine you are a tiny droplet of water. Write a short diary entry (50-80 words) describing your journey from a warm ocean, up into the sky, and finally falling back down to Earth as rain.