

Nova's Water Cycle Wonders

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

Join Nova the owl as she watches the clouds gather! Read the questions carefully and test your knowledge of how water moves around our planet.

Answer Key: 1. B, 2. True, 3. Evaporation, 4. C, 5. False, 6. Precipitation, 7. B, 8. True, 9. Condensation, 10. True.

Word bank: Evaporation · Condensation · Precipitation · Collection · Water Vapour · Sunlight

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

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

3. 3. What is the process called when liquid water turns into water vapour? (1 mark)

4. 4. What happens during condensation? A) Water freezes B) Rain falls C) Vapour cools to form clouds* D) Water turns to ice (1 mark)

5. 5. True or False: Precipitation only happens as rain. (1 mark)

6. 6. What is the scientific name for rain, snow, or hail falling from the sky? (1 mark)

7. 7. Where does most of the water 'collection' happen on Earth? A) In mountains B) In oceans and lakes* C) In underground caves D) In forests (1 mark)

8. 8. True or False: The water cycle is a continuous process that never stops. (1 mark)

9. 9. When your breath makes a 'fog' on a cold window, what is this an example of? (1 mark)

10. 10. True or False: Plants also release water vapour into the air. (1 mark)

Draw: Draw a diagram of the water cycle. Include a sun, a sea, a cloud, and arrows showing the water moving from the sea up to the sky and falling back down as rain.



Extension challenge: Nova wants to know: If the Earth has a limited amount of water, how is it possible that we are still drinking the same water that dinosaurs once drank? Write two sentences explaining your theory.