

Science Fables

The Water That Wouldn't Stay Still

Story Quiz

This quiz follows Mira and Jay as they learn about evaporation, condensation, sublimation, and boiling.

1. What happens during evaporation?

- A. Water vapor changes into liquid
- B. Liquid water changes into water vapor at the surface
- C. Ice changes directly into liquid
- D. Water freezes into ice

2. What is condensation?

- A. Water vapor cooling and changing into liquid droplets
- B. Liquid water changing into gas
- C. Ice melting into water
- D. Water boiling rapidly

3. What happened to the frost in the story?

- A. It melted into a puddle first
- B. It changed directly from solid ice into water vapor
- C. It became rain
- D. It froze into thicker ice

4. What is sublimation?

- A. A liquid changing into a solid
- B. A gas changing into a liquid
- C. A solid changing directly into a gas
- D. A liquid changing into a gas only at boiling point

5. How is boiling different from evaporation?

- A. Boiling happens throughout the liquid, while evaporation happens only at the surface
- B. Evaporation is faster than boiling
- C. Boiling can happen at any temperature
- D. Evaporation creates bubbles throughout the water

Answer Key



1. B — Liquid water changes into water vapor at the surface

During evaporation, liquid water changes into water vapor at the surface.

2. A — Water vapor cooling and changing into liquid droplets

Condensation is when water vapor cools and changes into liquid droplets.

3. B — It changed directly from solid ice into water vapor

The frost changed directly from solid ice into water vapor.

4. C — A solid changing directly into a gas

Sublimation is when a solid changes directly into a gas.

5. A — Boiling happens throughout the liquid, while evaporation happens only at the surface

Boiling happens throughout the liquid, while evaporation happens only at the surface.