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.