

Name \_\_\_\_\_

## Melting, Freezing, Boiling, and Condensation: A Dance of Phase Changes

### Short Answer Key

1. Melting turns a solid into a liquid by adding heat, while freezing turns a liquid into a solid by removing heat.
2. The boiling point is the temperature at which a liquid turns into a gas when heat is added.
3. Condensation occurs when water vapor in the air loses heat and turns into liquid water droplets on a cold surface.
4. The boiling point of a substance is determined by its chemical composition and the pressure of the surroundings.
5. Water vapor in the atmosphere condenses to form clouds when warm, moist air rises and cools down, causing the water vapor to lose heat and change into liquid droplets.

