

Name \_\_\_\_\_

## The Temperature Tango: Exploring Phase Transitions

### Short Answer

1. Explain the role of temperature in phase transitions.
2. What is the boiling point of water, and what happens to water at this temperature?
3. Provide an example from everyday life where temperature-dependent phase transitions occur.
4. Why does a substance need to reach its specific melting or boiling point for a phase transition to occur?
5. Describe what happens to particles in a solid during melting.

