

Name \_\_\_\_\_

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

### Open-Ended Response Questions

1. Provide examples from daily life where understanding phase changes like melting, freezing, boiling, and condensation is essential.
2. Compare and contrast the molecular behavior in a solid, liquid, and gas during the processes of melting, freezing, boiling, and condensation.
3. Explain the significance of phase changes in various scientific fields, such as meteorology, cooking, and industrial processes.
4. Discuss how changes in pressure can affect the boiling and freezing points of substances and give an example from the real world.

