

Name _____

Matter Matters: Exploring Solids, Liquids, and Gases

Open-Ended Response Questions

1. Imagine you have a glass of ice water on a warm day. Describe what happens to the ice as it changes from a solid to a liquid. What state changes are occurring, and why?
2. Discuss the similarities and differences between the behavior of particles in solids, liquids, and gases. How does particle arrangement affect the properties of each state of matter?
3. Investigate how phase changes, such as evaporation and condensation, play a role in the water cycle on Earth. Explain the processes involved and their significance.
4. Imagine you are explaining the concept of states of matter to a younger sibling. How would you describe the differences between solids, liquids, and gases in simple terms? Provide examples to illustrate your explanation.

