



States of Matter

Silver

These Silver questions extend states of matter to explaining changes and everyday examples.

Name: _____ Date: _____

Section A: Properties of States

1. Explain why a gas can be squashed into a smaller space, but a solid cannot.

2. Why does a liquid take the shape of its container?

3. Give one everyday example each of a solid, liquid, and gas you might use in a single day.

4. Explain why ice is a solid but still made of the same substance as liquid water.

5. Why might steam be dangerous even though you cannot easily see it?

Section B: Changing State

1. Explain the difference between melting and evaporating.

2. Why does a puddle disappear on a sunny day but stay longer on a cloudy day?

3. Explain what happens to water particles when water freezes.

4. Why might chocolate melt in your hand but not in the fridge?

5. Describe the full water cycle, using the words evaporation, condensation, and precipitation.

