Properties of Matter

Name: _____ Date: _____ Grade: Grade 5

Part A: Fix the Sentence

Each sentence has an error. Rewrite it correctly on the line.

1. Fix the sentence: *Particles in a solid move quickly and spread far apart from each other.*

   Rewrite: _____

2. Fix the sentence: *A gas has a fixed shape and a fixed volume just like a solid does.*

   Rewrite: _____

3. Fix the sentence:

When water evaporates, the water molecules are destroyed and disappear forever.

   Rewrite: _____

Part B: Fill in the Blank

Write the missing word or number on each line.

1. A liquid has a fixed volume but takes the _____ of its container.
2. The change from a solid directly to a gas without becoming a liquid is called _____ .
3. Adding thermal energy to a solid can cause it to _____ and become a liquid.
4. When a gas loses energy and changes to a liquid, the process is called _____ .

Part C: Short Answer

Answer each question in one or two complete sentences.

1. Compare how particles move in a liquid versus a gas.

_____

_____

2. Why does a puddle of water disappear on a warm sunny day even though nobody heated it on a stove?

_____

Answer Key · Properties of Matter · Grade: Grade 5

Part A: Fix the Sentence

Each sentence has an error. Rewrite it correctly on the line.

1. Fix the sentence: *Particles in a solid move quickly and spread far apart from each other.*

   Rewrite: _____

2. Fix the sentence: *A gas has a fixed shape and a fixed volume just like a solid does.*

   Rewrite: _____

3. Fix the sentence:

When water evaporates, the water molecules are destroyed and disappear forever.

   Rewrite: _____

Part B: Fill in the Blank

Write the missing word or number on each line.

1. A liquid has a fixed volume but takes the **shape** of its container.
2. The change from a solid directly to a gas without becoming a liquid is called **sublimation**.
3. Adding thermal energy to a solid can cause it to **melt** and become a liquid.
4. When a gas loses energy and changes to a liquid, the process is called **condensation**.

Part C: Short Answer

Answer each question in one or two complete sentences.

1. Compare how particles move in a liquid versus a gas.

_____

_____

2. Why does a puddle of water disappear on a warm sunny day even though nobody heated it on a stove?

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