Matter Is Made of Tiny Particles

Grade 5 Science Worksheet - Challenge Me

Name _____ Date _____

Which statement is true? Circle the answer.

1. A rock is matter only when it is moving.
   A rock is not matter because it cannot flow.
   A rock is matter because it has mass and takes up space.

2. Light is matter because it takes up space.
   Light is not matter because it has no mass.
   Light is matter because it can be seen.

3. A gas can be squeezed into a smaller space.
   A solid can be squeezed into a smaller space easily.
   A liquid can be squeezed until it becomes air.

4. The particles in a liquid stay close together.
   The particles in a liquid are as far apart as in a gas.
   The particles in a liquid cannot touch each other.

5. Particles bunch up more when a gas enters a bigger room.
   Particles vanish when a gas enters a bigger room.
   Particles spread out more when a gas enters a bigger room.

6. Hot tea gives off steam as water particles escape.
   Hot tea gives off steam as tea particles freeze.
   Hot tea gives off steam as the cup melts.

7. A scientist draws a model because particles are too large to hold.
   A scientist draws a model because particles are too small to see.
   A scientist draws a model because particles do not exist.

8. Everything around us that takes up space is made of light.
   Everything around us that takes up space is made of nothing.
   Everything around us that takes up space is made of matter.

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Answer Key - Grade 5 Science Worksheet - Challenge Me

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3. **A gas can be squeezed into a smaller space.**
   A solid can be squeezed into a smaller space easily.
   A liquid can be squeezed until it becomes air.

4. **The particles in a liquid stay close together.**
   The particles in a liquid are as far apart as in a gas.
   The particles in a liquid cannot touch each other.

5. Particles bunch up more when a gas enters a bigger room.
   Particles vanish when a gas enters a bigger room.
   Particles spread out more when a gas enters a bigger room.

6. **Hot tea gives off steam as water particles escape.**
   Hot tea gives off steam as tea particles freeze.
   Hot tea gives off steam as the cup melts.

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   A scientist draws a model because particles do not exist.

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   Everything around us that takes up space is made of nothing.
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