Matter Is Made of Tiny Particles

Grade 5 Science Worksheet

Name _____ Date _____

Which statement is true? Circle the answer.

1. Particles are always big enough to see.
   All matter is made of tiny particles.
   Only solids are made of particles.

2. Air is not matter because we cannot see it.
   Air is empty space with nothing in it.
   Air is matter made of tiny particles.

3. Particles in a solid never move at all.
   Particles in a solid stay in place and wiggle.
   Particles in a solid move freely all around.

4. Particles in a liquid are locked in place.
   Particles in a liquid are very far apart.
   Particles in a liquid slide past each other.

5. Particles in a gas cannot move.
   Particles in a gas stay tightly packed.
   Particles in a gas spread out to fill a space.

6. Smell spreading across a room shows that particles are frozen.
   Smell spreading across a room has nothing to do with particles.
   Smell spreading across a room shows that particles move.

7. Sugar dissolves because its particles mix with water.
   Sugar dissolves because water turns it into a gas.
   Sugar dissolves because its particles vanish forever.

8. Food coloring spreads in water because particles move.
   Food coloring spreads in water with no movement at all.
   Food coloring spreads in water because the water shrinks.

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Answer Key - Grade 5 Science Worksheet

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2. Air is not matter because we cannot see it.
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5. Particles in a gas cannot move.
   Particles in a gas stay tightly packed.
   Particles in a gas spread out to fill a space.

6. Smell spreading across a room shows that particles are frozen.
   Smell spreading across a room has nothing to do with particles.
   Smell spreading across a room shows that particles move.

7. **Sugar dissolves because its particles mix with water.**
   Sugar dissolves because water turns it into a gas.
   Sugar dissolves because its particles vanish forever.

8. **Food coloring spreads in water because particles move.**
   Food coloring spreads in water with no movement at all.
   Food coloring spreads in water because the water shrinks.