Matter Is Made of Tiny Particles

Grade 5 Science Worksheet - Challenge Me

Name _____ Date _____

Which statement is true? Circle the answer.

1. Heating a substance makes its particles disappear.
   Heating a substance makes its particles move faster.
   Heating a substance makes its particles stop moving.

2. Cooling a substance makes its particles move faster.
   Cooling a substance makes its particles grow larger.
   Cooling a substance makes its particles move slower.

3. A balloon fills up because it has no particles inside.
   A balloon fills up because gas particles push on it.
   A balloon fills up because the air inside is empty.

4. Ice, water and steam are made of the same particles.
   Only steam is made of particles.
   Ice, water and steam are made of different particles.

5. Particles are easy to see with eyes alone.
   Particles are too small to see without a strong tool.
   Particles are as big as grains of rice.

6. Gas particles are the same distance apart as a solid.
   Gas particles are far apart compared with a solid.
   Gas particles are packed closer than a solid.

7. A solid keeps its shape because its particles fly apart.
   A solid keeps its shape because it has no particles.
   A solid keeps its shape because its particles hold in place.

8. A liquid takes the shape of its container because particles slide.
   A liquid keeps its own shape because particles lock together.
   A liquid cannot flow because particles never move.

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Answer Key - Grade 5 Science Worksheet - Challenge Me

Which statement is true? Circle the answer.

1. Heating a substance makes its particles disappear.
   Heating a substance makes its particles move faster.
   Heating a substance makes its particles stop moving.

2. Cooling a substance makes its particles move faster.
   Cooling a substance makes its particles grow larger.
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3. A balloon fills up because it has no particles inside.
   A balloon fills up because gas particles push on it.
   A balloon fills up because the air inside is empty.

4. **Ice, water and steam are made of the same particles.**
   Only steam is made of particles.
   Ice, water and steam are made of different particles.

5. Particles are easy to see with eyes alone.
   Particles are too small to see without a strong tool.
   Particles are as big as grains of rice.

6. Gas particles are the same distance apart as a solid.
   Gas particles are far apart compared with a solid.
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7. A solid keeps its shape because its particles fly apart.
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   A solid keeps its shape because its particles hold in place.

8. **A liquid takes the shape of its container because particles slide.**
   A liquid keeps its own shape because particles lock together.
   A liquid cannot flow because particles never move.