Matter Is Made of Tiny Particles

Grade 5 Science Worksheet - Building Confidence

Name _____ Date _____

Which statement is true? Circle the answer.

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

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

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

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

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

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

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

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

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Answer Key - Grade 5 Science Worksheet - Building Confidence

Which statement is true? Circle the answer.

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

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

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

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

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

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

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

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