

Name:

Date:

Class:

States of Matter Post-Quiz - Answer Key

Questions & Answers

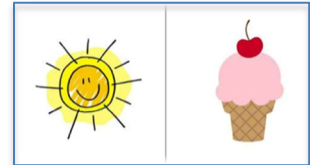
1. What is the name that we use to refer to a form of matter, such as solid, liquid, or gas?

- a. conductor
- b. solid
- c. insulator
- d. **states of matter**



2. What is a form of energy at work when you place a hot object near a cold object?

- a. **heat**
- b. water
- c. gas
- d. liquid



3. Where does thermal energy come from?

- a. sun
- b. hot air
- c. **moving particles**
- d. fire



4. What is a tool that is used to measure temperature?

- a. barometer
- b. **thermometer**
- c. ruler
- d. scale



5. What is the state of matter with definite volume but no definite shape?

- a. solid
- b. **liquid**
- c. gas
- d. heat



6. What is a state of matter that has a definite shape and a definite volume?

- a. **solid**
- b. liquid
- c. gas
- d. heat



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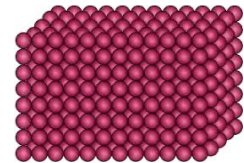
7. What is a state of matter that has no definite shape or volume?

- a. solid
- b. liquid
- c. gas
- d. heat



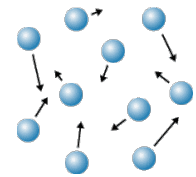
8. What state of matter is pictured here?

- a. plasma
- b. liquid
- c. gas
- d. solid



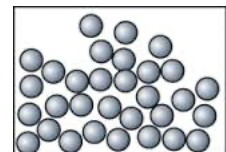
9. What state of matter is pictured here?

- a. solid
- b. liquid
- c. gas
- d. plasma



10. What state of matter is pictured here?

- a. solid
- b. liquid
- c. gas
- d. plasma



11. Which state of matter can change shape?

- a. solid
- b. liquid
- c. gas
- d. heat



12. What happens when an object gains thermal energy?

- a. It melts.
- b. It turns into a gas.
- c. It expands.
- d. It turns into a solid.



13. What would happen if you placed a metal spoon in a hot bowl of soup?

- a. The soup would cool off.
- b. The temperature of the spoon would stay the same.
- c. The spoon would heat up because it is metal.
- d. The soup would cool off and the spoon will keep the same temperature.



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14. What is matter?

- a. **Matter is anything that has a weight and takes up space.**
- b. Matter is something that exists outside of this universe.
- c. Matter is something that you cannot see or touch.
- d. Matter is something very special.



15. On a hot day, the sweat on your skin disappears. What is the name of the process that happens to the sweat?

- a. condensation
- b. **evaporation**
- c. gasification
- d. transformation

