

Name: _____

Unit 1 Physical Science Study Guide: Matter/Physical & Chemical Changes **Answer Key**

1. What are the three states of matter?

solid, liquid, gas

2. Name three physical properties.

color, shape, size, texture

3. If heat is removed from a bowl of water, what is eventually happen to the water?

It will freeze and become a solid.

4. When heat is added to a liquid, the liquid will melt.

5. The amount of matter in an object is its mass.

6. Jason left his bicycle outside in the rain. Over time the bicycle rusted. The rust on Jason's bicycle is an example of a chemical change.

7. A rubber duck will float on top of water because the duck has less density than the water.

8. An ice cube melting is an example of a physical change.

9. Burning a piece of paper is an example of a chemical change.

10. If you mix two substances in a chemical change, what would happen?

A new substance will form.

11. If you dissolve Kool-Aid crystals in water and then boil the water until it evaporates, the crystals will be left behind.

12. Name four ways you can tell that a chemical change has taken place.

burning takes place, bubbles forming such as fizz, rust is formed, change in color or smell

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