

TEST NAME: Delk Study Set 5.P.2.3
TEST ID: 1367941
GRADE: 05 - Fifth Grade
SUBJECT: Life and Physical Sciences
TEST CATEGORY: My Classroom

Student: _____

Class: _____

Date: _____

1. Which example **best** describes a physical change?
 - A. baking a pie
 - B. burning a candle
 - C. making a paper airplane

2. Brad accidentally left his crayon box in the car on a hot day. Which **best** explains what happened to his crayons?
 - A. crayons melted; changed from solid to liquid
 - B. crayons melted; changed from liquid to solid
 - C. crayons evaporated; changed from liquid to solid

3. Which is the **best** example of a change that can be undone?
 - A. clay put in an oven to harden
 - B. cake batter put in an oven to bake
 - C. chocolate left in a warm car to melt

4. Which **best** describes why deflating the air from a basketball is an example of a physical change?
 - A. The basketball's shape is changed.
 - B. The basketball's color is changed.
 - C. The basketball's size is changed.

5. Which is an example of a chemical change?
 - A. melting ice to make water
 - B. baking cake batter to make a cake
 - C. putting cheese on bread to make a cheese sandwich

6. Which example **best** describes a chemical change?
- A wax melting
 - B. an apple turning brown
 - C. a piece of paper being cut into small pieces
7. Which is a physical change involving an egg?
- A frying an egg
 - B. boiling an egg
 - C. breaking an egg
8. Jennifer left her bike outside, buried in snow. In the spring, when the snow melted, she found her bike covered in rust. Which **best** describes the change to the bike?
- A It was a chemical change, because the bike was a different color.
 - B. It was a chemical change, because the rubber tires were deflated.
 - C. It was a chemical change, because rust can be removed from the metal.
 - D. It was a chemical change, because rust is a new substance on the metal.
9. Which is an example of a change that will produce a new substance?
- A A piece of wood is burned and turns to ash.
 - B. A glass jar breaks into smaller shards of glass.
 - C. A puddle of water evaporates into water vapor.
 - D. A piece of paper gets wet and is shredded apart.
10. Which **best** explains what happens to the inside of an egg when it is boiled?
- A The liquid becomes solid.
 - B. The solid becomes a gas.
 - C. The solid becomes a liquid.
 - D. The liquid becomes a gas.

11. Which **best** explains why melting ice is a physical change instead of a chemical change?
- A. It does not smell bad.
 - B. It changes from a solid to a liquid.
 - C. It does not form a new substance.
 - D. It changes quietly with no loud sound.
12. Which **best** describes what happens when water condenses on a glass?
- A. A physical change occurs, because the water changes form.
 - B. A physical change occurs, because the water changes color.
 - C. A chemical change occurs, because the water gives off light.
 - D. A chemical change occurs, because the water forms a new substance.
13. Water is boiled and water vapor forms. Which **best** describes this process?
- A. A chemical change occurs because a completely new substance forms.
 - B. A chemical change occurs because the temperature of the water changes.
 - C. A physical change occurs because the water disappears as it is absorbed by air.
 - D. A physical change occurs because water and vapor are different states of the same substance.
14. Which change would result in a new substance being formed?
- A. sugar dissolving in water
 - B. a glass bottle breaking
 - C. ice melting in a bowl
 - D. a metal can rusting

15. Which is an example of a chemical change?
- A. baking a cake
 - B. freezing water
 - C. crushing a can
 - D. breaking an egg
16. Which example **best** describes a physical change?
- A. iron rusting
 - B. charcoal burning
 - C. an ice cube melting
 - D. a marshmallow burning
17. A piece of wood is sawed into several small pieces. This is an example of what kind of change?
- A. physical
 - B. chemical
 - C. electrical
 - D. mechanical
18. Stanley left an ice cube on his kitchen counter. An hour later, Stanley observed that the ice cube melted. Which statement **best** describes this change?
- A. Ice melting is a physical change because a new substance is created.
 - B. Ice melting is a chemical change because a new substance is created.
 - C. Ice melting is a chemical change because it may be reversed.
 - D. Ice melting is a physical change because it may be reversed.

19. A family goes camping and creates a fire to roast marshmallows. The next morning, the kids notice that the logs are no longer there, and all that remains are ashes. Which **best** explains why the ashes from a log are evidence of a chemical change?
- A. The color of the wood changed from brown to gray.
 - B. The wood breaks down into smaller matter when burned.
 - C. The ashes cannot be put back together to create a log again.
 - D. Something was added to the log, and it cannot be removed.
20. Which statement **best** describes why baking a cake is an example of a chemical change?
- A. The process takes place in an oven.
 - B. The process requires heat energy.
 - C. The process cannot be reversed.
 - D. The process can be repeated.