

TEST NAME: Delk Study Set 5.P.2.2
TEST ID: 1367837
GRADE: 05 - Fifth Grade
SUBJECT: Life and Physical Sciences
TEST CATEGORY: My Classroom

Student: _____

Class: _____

Date: _____

1. Leslie places 5 pounds of ice in a 1 pound bucket with a lid. The next day, she notices all the ice has melted. When she weighs the bucket with the melted ice, what will it **most likely** weigh?
 - A. 4 pounds
 - B. 6 pounds
 - C. 7 pounds

2. A rock weighing 50 g is broken into 2 pieces. What are possible weights for the two pieces of rock?
 - A. 20 g and 20 g
 - B. 30 g and 20 g
 - C. 30 g and 30 g

3. Anthony is performing an experiment. He adds 0.25 grams of baking soda to 5 grams of water and stirs. Anthony watches as the baking soda dissolves in the water. If Anthony weighs the water and baking soda solution, what will its mass be?
 - A. 4.75 grams
 - B. 5.0 grams
 - C. 5.25 grams

4. Robert fills an 8-lb cooler with 20 lbs of ice. After leaving the cooler in the sun for an hour, how much will the cooler and the melted ice weigh?
 - A. 12 lbs
 - B. 20 lbs
 - C. 28 lbs

5. Jamie weighs a glass of water and observes its weight to be 12 ounces. Jamie then adds 6 ice cubes to the glass of water. Each ice cube weighs one ounce. After all of the ice cubes have melted, what will be the **approximate** weight of the glass of water?
- A. 6 ounces
 - B. 12 ounces
 - C. 18 ounces
 - D. 24 ounces
6. Jane took a 1 ounce slice of bread and cut it into 2 pieces. On one side, she put 2 ounces of peanut butter. On the other side she put 1 ounce of jelly. Which will **most likely** be the weight of the finished sandwich?
- A. 7 ounces
 - B. 3 ounces
 - C. 6 ounces
 - D. 4 ounces
7. A 55-gram egg is placed in a pot. After the egg is boiled, which is **most likely** the weight of the egg?
- A. 50 grams
 - B. 55 grams
 - C. 100 grams
 - D. 110 grams
8. Sue is making pudding for her family. She mixes 490 g of cold milk with 90 g of pudding mix and then puts it in the refrigerator to solidify. About how many grams of pudding was made?
- A. 90 g
 - B. 190 g
 - C. 400 g
 - D. 580 g

9. Lisa bought a box of candles weighing 30 ounces. There were 5 candles in the box. Lisa left the box in her car, and the candles melted together, forming one piece of wax. How much will the box of candles **most likely** weigh after this change?
- A. 5 ounces
 - B. 6 ounces
 - C. 25 ounces
 - D. 30 ounces
10. The mass of a grape drink mixture is 150 grams. Kathy boils the mixture and notices that 50 grams of water has evaporated. Which will **most likely** be the result?
- A. The mass of the grape juice mixture will be 50 grams.
 - B. The mass of the grape juice mixture will be 100 grams.
 - C. The mass of the grape juice mixture will be 200 grams.
 - D. The mass of the grape juice mixture will remain 150 grams.
11. Ray had a rope that weighed one pound. Which **best** describes the weight of the rope after he cut it into four pieces?
- A. $\frac{1}{4}$ lb
 - B. 1 lb
 - C. 2 lbs
 - D. 4 lbs
12. Jackie creates a piece of artwork by melting crayons and mixing the colors together. She uses 20 crayons that weighed 5 grams each. What is **most likely** the weight of her artwork?
- A. 4 grams
 - B. 5 grams
 - C. 20 grams
 - D. 100 grams

13. Sherry buys a 5-ounce cup of ice cream. The summer heat melts the ice cream before she can eat any. Which best describes the weight of the melted ice cream?
- A. 2.5 ounces
 - B. 5 ounces
 - C. 10 ounces
 - D. 15 ounces
14. Dry ice immediately becomes a gas at room temperature. How much will the contents of 500 g of dry ice, placed in a closed container at room temperature, weigh after half the dry ice turns into a gas?
- A. 250 g
 - B. 350 g
 - C. 500 g
 - D. 600 g
15. The table below lists the amounts of the ingredients Stephanie used to make ice cream.

Ingredients to Make Ice Cream	
Ingredient	Mass
sugar	30 g
milk	250 g
vanilla	10 g

What will be the weight of the ice cream after being frozen?

- A. 210 g
- B. 250 g
- C. 290 g
- D. 380 g

16. Karen is making soup. She adds .5 kilograms of carrots, .25 kilograms of onion, and .5 kilograms of potato to 1 kilogram of water. Which will **most likely** be the mass of Karen's soup?
- A. 1.75 kilograms
 - B. 2 kilograms
 - C. 2.25 kilograms
 - D. 3 kilograms
17. Mike is racing his electric toy truck. The truck hits a brick wall, and the front of the truck gets crushed. If the truck originally had a mass of 2.0 kg, how much mass does it **most likely** now have?
- A. 1.5 kg
 - B. 1.9 kg
 - C. 2.0 kg
 - D. 2.2 kg
18. Mr. Cooper's class conducts an experiment by combining 8 ounces of vinegar with 6 ounces of lemon juice. The experiment occurs in a closed container weighing 4 ounces. After the interaction, what is the weight of the container and solution?
- A. 10 ounces
 - B. 11 ounces
 - C. 14 ounces
 - D. 18 ounces
19. Mike dissolves some sugar in water and pours 10 ounces of the mixture into a jar with a lid to create rock candy. Which is **most likely** the weight of the mixture after it crystallizes into rock candy?
- A. 0 ounces
 - B. 5 ounces
 - C. 10 ounces
 - D. 12 ounces

20. A student notices that an inflated balloon gets larger when it is warmed by a lamp. Which **best** describes the mass of the balloon as a result of this change?
- A. The mass of the balloon increases because the size of the balloon has increased.
 - B. The mass of the balloon increases because the temperature of the balloon has increased.
 - C. The mass of the balloon stays the same because the gas inside the balloon still has the same mass after it warms up.
 - D. The mass of the balloon stays the same because warming decreases the mass enough to cancel out the effect of increasing the size.