

Name: _____

Date: _____

1.

Larry connects a wire from a battery to each of the listed items. Which item would allow a current from the battery to pass through if connected to another wire on an opposite end?

- A. brass door knob
 - B. wooden door
 - C. rubber ball
 - D. cotton shirt
-

2.

When two substances such as water and baking soda are combined what occurs when the water evaporates?

- A. No reaction will occur if they are mixed.
 - B. The water and soda remain mixed together.
 - C. A chemical change occurs because you have created a new substance.
 - D. A physical change occurs when the water evaporates and leaves the baking soda.
-

3.

What type of change will occur when an ice cube melts and becomes a liquid?

- A. property change
 - B. chemical change
 - C. physical change
 - D. chemical reaction
-

4.

What type of change occurs when new compounds form?

- A. chemical
 - B. physical
 - C. liquids will change
 - D. no changes will occur
-

5.

In a chemical change what would happen if you mixed two substances?

- A. They would form a new compound.
 - B. The two would not be able to mix.
 - C. They would be two separate substances.
 - D. The compounds would keep their original identity.
-

6.

Predict the results of this experiment.

Weigh a classmate. Record. Have them remove their shoes and socks. Weigh items and record. They should remove any other items that they can (outer shirt, watch, jewelry, jacket). Weigh items and record. Weigh the classmate again and add all the item weights together.

Compare the results of the first weigh in to the last. What conclusion do you reach?

- A. The last weight is less.
 - B. The numbers add up to more than the original weigh in.
 - C. The individual parts weigh less on the classmate than they do by themselves.
 - D. The weight is the same at the end as the beginning when all parts are added together.
-

7. Some children are making mud balls. They cut the mud balls in half. Which of these changed when the mud balls were cut in half?

- A. The softness of the mud ball
- B. The size of the mud ball
- C. The color of the mud ball
- D. The stickiness of the mud ball

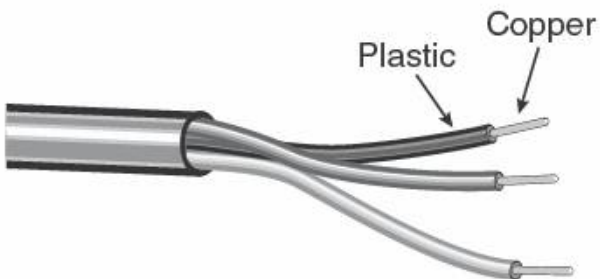
8.



Objects with like charges repel and unlike charges attract. The girl's hair and the comb have —

- A. unlike charges
- B. like charges
- C. neutral charges
- D. no charges

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9.

Many electrical wires are wrapped with a plastic coating because plastic is —

- A. less expensive than steel.
- B. more dense than copper.
- C. able to keep its shape.
- D. a good insulator.

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10. **Water, ice, and steam are alike because they —**

- A. are the same compound.
- B. have the same shape.
- C. look the same.
- D. feel the same.

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Answer Key

1. A) brass door knob
2. D) A physical change occurs when the water evaporates and leaves the baking soda.
3. C) physical change
4. A) chemical
5. A) They would form a new compound.
6. D) The weight is the same at the end as the beginning when all parts are added together.
7. B) The size of the mud ball
8. A) unlike charges
9. D) a good insulator.
10. A) are the same compound.