

PHYSICAL PROPERTIES & CHANGES

1. Which statement correctly differentiates physical properties and physical changes?

- A. Physical properties can be observed/measured without changing the object, physical changes alter the appearance of an object.
- B. Physical properties alter the appearance of an object, physical changes are observed without changing the object.
- C. Physical properties of an object will always stay the same, physical changes cannot be reversed.
- D. Physical properties of an object will alter the appearance, physical changes describe how an object looks.

2. Which of the following is a physical property?

- A. Luster
- B. Tearing
- C. Burning
- D. Ripping

3. The three states of matter include:

- A. Liquids, metalloids and gases
- B. Solids, liquids, and gases
- C. Metals, nonmetals, and metalloids
- D. Gases, metals and liquids

4. Which of the following is an example of a ball of clay undergoing a physical change?

I The ball is thrown into the air.

II The ball is broken into two separate halves.

III The ball is rolled along the ground.

IV The ball is flattened into a pancake-like shape.

- A. IV only
- B. I, II, and III only
- C. II and IV only
- D. I and III only

5. All of the following are examples of physical changes except:

- A. Cutting
- B. Ripping
- C. Slicing
- D. Density

6. _____ involve changing states of matter from one to another (for example, liquid to solid or liquid to gas).

- A. Chemical changes
- B. Chemical properties
- C. Physical changes
- D. Physical properties

7. The ability of a pill to easily dissolve in your stomach is a real life example of _____.

- A. Polarity
- B. Density
- C. Solubility
- D. Flammability

8. A rubber ducky floating in the bath water has _____ density than the water.

- A. Greater
- B. Lower
- C. Equal
- D. Unknown

9. A real life example of polarity is _____.

- A. A magnet attraction to a metal.
- B. A leaf floating on a river.
- C. A pill dissolving.
- D. A piece of chrome metal reflecting light.

10. A real life example of luster is _____.

- A. A magnet attraction to a metal.
- B. A pill dissolving.
- C. A leaf floating on a river.
- D. A piece of chrome metal reflecting light.