

Name: \_\_\_\_\_

Date: \_\_\_\_\_

## Matter

1. Which of the following defines matter?
  - a. anything without mass
  - b. anything with mass and takes up space
  - c. anything with mass but doesn't take up space
  - d. anything without mass and doesn't take up space
2. It is the measure of how much matter an object has. What is it?
  - a. weight
  - b. gravity
  - c. mass
  - d. speed
3. Hardness, shape, color, texture, and size are all \_\_\_\_\_ of matter.
  - a. properties
  - b. areas
  - c. liquids
  - d. gases
4. This measurement is the amount of matter that occupies a given space:
  - a. length
  - b. area
  - c. density
  - d. volume
5. Which of the following is a physical property of an element?
  - a. color
  - b. ability to rust
  - c. flammability
  - d. ability to tarnish
6. All of the following are physical properties except:
  - a. color
  - b. density
  - c. melting point
  - d. flammability
7. Which of the following is an example of a chemical change?
  - a. melting butter
  - b. mixing milk and chocolate syrup
  - c. breaking glass
  - d. burning fuel
8. Which of the following is an example of a physical change?
  - a. Mixing baking soda and vinegar together, and this causes bubbles and foam.
  - b. A glass cup falls from the counter and shatters on the ground.
  - c. Lighting a piece of paper on fire and the paper burns up and leaves ashes.
  - d. Baking a birthday cake for your mother
9. If a black ball is denser than a white ball of the same size, the black ball has
  - a. less volume
  - b. more volume
  - c. more matter taking up the same space
  - d. less matter taking up the same space
10. What is the difference between mass and weight of a body?