

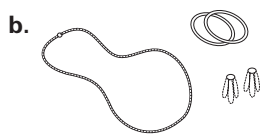
SECTION | MATTER COMBINES TO FORM DIFFERENT SUBSTANCES.

1.3 Reinforcing Key Concepts**BIG IDEA** Everything that has mass and takes up space is matter.**KEY CONCEPT** Matter combines to form different substances.

- 1. Matter can be pure or mixed.** A substance with only a single type of atom in it is called an element. A compound is a substance that results when two or more different types of atoms bond together. A mixture is a combination of different substances that remain the same individual substances and can be separated by physical means. Identify each of the substances shown below as an *element*, *mixture*, or *compound*.



cake batter



pure gold jewelry



salt

- a. _____
- b. _____
- c. _____

- 2. Parts of mixtures can be the same or vary throughout.** In heterogeneous mixtures, you can see the individual substances contained in the mixture. In homogenous mixtures, you cannot see the individual substances because they are evenly spread throughout. Give two examples of a homogenous mixture and one example of a heterogeneous mixture.

a. **Heterogeneous Mixture:** _____

b. **Homogenous Mixture:** _____