

Content Practice B**LESSON 1****Classifying Matter****Directions:** Answer each question or respond to each statement in the space provided.

Question	Answer
1. What particles make up atoms?	1. everything that takes up space 2. a small particle that is a building block of matter 3. the smallest unit of a substance that is always the same 4. a substance that consists of just one type of particle 5. a substance that consists of two or more different types of particles joined together
2. Describe the electrical charges of the particles in atoms.	6. matter that can vary in composition 7. mixture in which the individual substances are not evenly mixed 8. mixture in which the individual substances are evenly mixed
3. What are the two main classifications of matter?	
4. How do the two main classifications of matter differ?	
5. How are atoms related to elements?	
6. How are elements related to compounds?	
7. What can you learn about a compound from its chemical formula?	
8. Compare a heterogeneous mixture and a homogeneous mixture.	
9. Compare a solvent and a solute.	

Key Concept Builder

LESSON 1

Classifying Matter

Key Concept How can you classify matter?

Directions: Complete the chart with the correct terms or phrases on the lines provided.

Matter

- anything that (1.) _____
- most made of (2.) _____
- two classifications of matter: (3.) _____ and (4.) _____

Substances

- Composition (5.) _____ vary.
- two types of substances: (6.) _____ and (7.) _____

Elements

- made of only one type of (8.) _____
- organized on the (9.) _____
- can be identified by its (10.) _____

Compounds

- made of atoms of two or more different (11.) _____ that are (12.) _____
- can be identified by its chemical (13.) _____

Mixtures

- Composition (14.) _____ vary.
- two types of mixtures: (15.) _____ and (16.) _____

Heterogeneous mixture

- two or more (17.) _____ mixed substances

Homogeneous mixture

- two or more (18.) _____ mixed substances