Name	Date	Class
valle	Dale	Class

Kev	Concept	Builder	
110	Concept	Banaci	

LESSON 1

Classifying Matter

Key Concept How do atoms of different elements differ?

Directions: On the line before each statement, write the letter of the correct answer.

- **1.** An element consists of just one type of
 - **A.** atom.
 - **B.** mixture.
 - **C.** compound.
 - **2.** Each type of atom contains a different number of protons in its
 - **A.** neutron.
 - **B.** electron.
 - C. nucleus.
- **3.** The number of protons in an atom determines an element's
 - A. composition.
 - **B.** atomic number.
 - **C.** chemical formula.
 - **4.** The atoms of most elements exist
 - **A.** as individual atoms.
 - **B.** in pairs.
 - **C.** in groups.

Directions: Write the correct term from the word bank on the line next to what it is identifying.

	atomic number	name	symbol
Aluminum	5		
13	6		
Al	7		

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?	
2. Describe the electrical charges of the particles in atoms.	
3. What are the two main classifications of matter?	
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.	