


**Directed Reading for
Content Mastery**
**Section 1 ■ Physical and
Chemical Properties**

Directions: Match the terms in Column II with the definitions in Column I. Write the letter of the correct term in the blank at the left.

Column I

- _____ 1. a characteristic of a substance
- _____ 2. properties detected by the senses
- _____ 3. measurement of how much matter an object contains
- _____ 4. solid, liquid, gas
- _____ 5. temperature at which a solid becomes a liquid

Column II

- a. mass
- b. melting point
- c. appearance
- d. property
- e. state

Directions: For each of the objects, list as many physical properties as possible.

6. brick _____

7. banana _____

8. pencil _____

9. horseshoe magnet _____

10. sheet of paper _____

11. can of soda _____

12. your science book _____

13. glass of water _____

14. your index finger _____

15. paper clip _____

**Reinforcement**

Physical and Chemical Properties

Directions: Match the terms in Column II with the descriptions in Column I. Write the letter of the correct term in the blank at the left.

Column I

- _____ 1. often the first physical property noticed; for example, a lemon is yellow
- _____ 2. a physical property measured by how much matter an object contains
- _____ 3. physical properties detected by sight
- _____ 4. how something acts
- _____ 5. temperature at which solid changes to liquid
- _____ 6. a relationship between mass and volume
- _____ 7. properties such as color and texture that can be observed without changing the makeup of the material
- _____ 8. how often you should taste lab experiments
- _____ 9. a characteristic that cannot be observed without altering the substance
- _____ 10. you use these to detect the properties of matter
- _____ 11. our atmosphere is this state
- _____ 12. temperature at which a liquid changes into a gas

Column II

- a. physical
- b. mass
- c. behavior
- d. color
- e. melting point
- f. appearance
- g. never
- h. density
- i. senses
- j. chemical
- k. gas
- l. boiling point

Directions: Match the definition of the process on the left with the correct term on the right. Write the letter of the correct term in the blank at the left.

- _____ 13. a liquid changing into a gas
 - _____ 14. a gas changing into a liquid
 - _____ 15. a solid changing directly into a gas, without ever becoming a liquid
- a. deposition
 - b. condensation
 - c. vaporization
 - d. sublimation

Physical and Chemical Properties
~~Extensive and Intensive Properties~~

Name: _____

Property	Physical Property	Chemical Property	Extensive Property	Intensive Property
magnetic				
malleable (can be hammered thin without breaking)				
temperature				
flammable				
red color				
reacts violently with sodium				
length				
mass				
produces a different gas when heated				
dissolves in water				
soluble in alcohol				
blue color				
rough texture				
sweet taste				
density				
reacts with acid to form hydrogen				
sour taste				
melting point				
boiling point				
hardness				
luster (how shiny it is)				
odor				