

CHAPTER 1 REVIEW

Matter and Change

SECTION 2

SHORT ANSWER Answer the following questions in the space provided.

1. Classify each of the following as a *homogeneous* or *heterogeneous* substance.

- _____ a. iron ore
- _____ b. quartz
- _____ c. granite
- _____ d. energy drink
- _____ e. oil-and-vinegar salad dressing
- _____ f. salt
- _____ g. rainwater
- _____ h. nitrogen

2. Classify each of the following as a *physical* or *chemical* change.

- _____ a. ice melting
- _____ b. paper burning
- _____ c. metal rusting
- _____ d. gas pressure increasing
- _____ e. liquid evaporating
- _____ f. food digesting

3. Compare a physical change with a chemical change.

SECTION 2 continued

4. Compare and contrast each of the following terms:

a. *mass* and *matter*

b. *atom* and *compound*

c. *physical property* and *chemical property*

d. *homogeneous mixture* and *heterogeneous mixture*

5. Using circles to represent particles, draw a diagram that compares the arrangement of particles in the solid, liquid, and gas states.



Solid



Liquid



Gas

6. How is energy involved in chemical and physical changes?
