

**The Nature of Matter** ▪ 2.1 Review and Reinforce

# Describing Matter

## Understanding Main Ideas

Classify each of the following properties by writing physical or chemical on the line.

- \_\_\_\_\_ 1. Texture
- \_\_\_\_\_ 2. Ability to react with other substances
- \_\_\_\_\_ 3. Ability to conduct heat
- \_\_\_\_\_ 4. Hardness
- \_\_\_\_\_ 5. Ability to rust
- \_\_\_\_\_ 6. Physical state

Answer the following questions on the lines provided.

7. How are elements and compounds related?

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

8. What are two ways in which mixtures differ from compounds?

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

## Building Vocabulary

Match each term with its definition by writing the letter of the correct definition on the line beside the term in the left column.

- |                                 |  |
|---------------------------------|--|
| _____ 9. matter                 | a. the basic particle of an element  |
| _____ 10. substance             | b. a mixture in which you can see the different parts                                |
| _____ 11. atom                  | c. anything that has mass and takes up space   |
| _____ 12. chemical bond         | d. a particle formed when two or more atoms chemically combine                       |
| _____ 13. molecule              | e. a single kind of matter that is pure  |
| _____ 14. chemical formula      | f. a kind of homogeneous mixture   |
| _____ 15. heterogeneous mixture | g. any mixture in which the different parts cannot be distinguished from one another |
| _____ 16. homogeneous mixture   | h. tells the elements and ratio of atoms in a compound                               |
| _____ 17. solution              | i. the force of attraction between two atoms   |

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