

Introduction to Matter ▪ *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. Lack of 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.

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| _____ 9. matter | a. the basic particle of an element |
| _____ 10. chemistry | b. a mixture in which you can see the different parts |
| _____ 11. substance | c. anything that has mass and takes up space |
| _____ 12. atom | d. a particle formed when two or more atoms combine |
| _____ 13. chemical bond | e. a single kind of matter that is pure |
| _____ 14. molecule | f. a kind of homogeneous mixture |
| _____ 15. chemical formula | g. the study of the properties of matter |
| _____ 16. heterogeneous | h. a mixture in which different parts cannot be seen |
| _____ 17. homogeneous | i. tells the elements and ratio of atoms in a compound |
| _____ 18. solution | j. the force of attraction between two atoms |