

TEACHING TRANSPARENCY WORKSHEET

Types of Matter

**Use with Chapter 3,
Section 3.4**

1. Into what two broad classes can all matter be divided?

2. What is the difference between a mixture and a pure substance?

3. What is the difference between a compound and an element?

4. Can a compound be a heterogeneous mixture? Explain your answer by referring to the diagram.

5. A list of compounds and elements is given below. Circle the substances that are elements.

| | | |
|-------|----------|----------|
| gold | aluminum | water |
| sugar | oxygen | platinum |
| salt | chlorine | brass |

6. How can you tell the difference between a homogeneous mixture and a heterogeneous mixture?

7. Label each mixture below as either homogeneous or heterogeneous.

| | |
|--|---|
| <p>a. air _____</p> <p>b. clay _____</p> <p>c. homemade lemonade (with pulp) _____</p> <p>d. oatmeal raisin cookie _____</p> | <p>e. finger paint _____</p> <p>f. vinegar _____</p> <p>g. soil _____</p> |
|--|---|
8. List three methods that are commonly used to separate mixtures into their component substances.

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SA Adler



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Chapter Resource 2 Chemistry of Life Biology Holt Rinehart & Winston, Holt, Rinehart and Winston Staff, 2004

Chemistry John S. Phillips, Cheryl Wistrom, 2000 **Prentice Hall Chemistry**, 2000 **Introductory Chemistry**
Nivaldo J. Tro, 2006 *Resources in Education*, 1994 **Mathematics and Science for Students with Special Needs**
Eisenhower National Clearinghouse for Mathematics and Science Education, 2003 **Exploring the Impact of the**
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