

TEACHING TRANSPARENCY WORKSHEET

9

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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