

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.

<ol style="list-style-type: none"> a. air _____ b. clay _____ c. homemade lemonade (with pulp) _____ d. oatmeal raisin cookie _____ 	<ol style="list-style-type: none"> e. finger paint _____ f. vinegar _____ g. soil _____
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8. List three methods that are commonly used to separate mixtures into their component substances.

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M Mark



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