

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.

| | |
|---|--|
| <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 _____ |
|---|--|
8. List three methods that are commonly used to separate mixtures into their component substances.

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Teaching Transparency Chemistry Chapter 19

DP Hallahan



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