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| **Science 8****Classifying Matter** | **Name:Date:Block:** |

What does it mean to…

 **Classify Matter**

**Elements**

* When all the particles are alike, the substance is called a \_\_\_\_\_\_\_\_\_\_ substance
* It is the \_\_\_\_\_\_\_\_\_\_\_ throughout
* Elements are symbols found on the periodic table.
* Ex:

**Compounds**

* When all the particles are alike, the substance is called a \_\_\_\_\_\_\_\_\_\_ substance
* It is the \_\_\_\_\_\_\_\_\_\_\_ throughout
* Made up of more than one element. You have to know its chemical structure.
* Ex:

**Mixtures**

* Matter that consists of \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ substances mixed together but not \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ combined.
* Ex:
* A mixture is a \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ of substances.

Types of mixtures:

1. Heterogeneous:

Ex:

1. Homogeneous:

Ex:

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| **Properties of Elements, Compounds and Mixtures** |
| **Elements** | **Compounds** | **Mixtures** |
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