**Chemistry 11: ACTIVITY**

***Exploring Different Types of Matter***

Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Date: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**INTRODUCTION:** Matter encompasses everything around us. Matter can be further separated depending on the characteristics of the substance. Pure Substances include things such as: all the elements of the periodic table or pure collections of a single molecule (i.e. – pure water (H2O)). Mixtures include any combination of two or more pure substances (i.e. – salt (NaCl) and water (H2O)). Each can be further divided as shown in the chart below.



**Purpose**: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
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**Materials:**

Pass around the items that Ms. Dow give you, and fill in the chart below.

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| **ITEM** | **CLASSIFICATION OF MATTER (pure substance or mixture)** | **Element/Compound?****Hetero/Homogenous Mixture?** | **IF it is a mixture, devise a separation strategy.**  |
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