**Introduction to Chemistry and Matter**

1. **Chemistry**
	1. Chemistry is the study of
		1. the \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ of **matter**
		2. the \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_that **matter** undergoes.
2. **Defining Matter**
	1. Matter is
		1. Anything that has \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ and \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
		2. Made of small particles called \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
		3. 3 main states of matter: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_, \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_, and \_\_\_\_\_\_\_\_\_\_\_\_\_
3. **Measuring Matter**
	1. Matter is measured in two ways:
		1. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
		2. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

|  |  |  |
| --- | --- | --- |
| **Mass** | **Unit(s)** | **Instrument(s)** |
| The \_\_\_\_\_\_\_\_\_\_\_\_\_\_ of “\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_” (living and non-living material) an object contains |  |  |

|  |  |  |
| --- | --- | --- |
| **Volume** | **Unit(s)** | **Instrument(s)** |
| The \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ an object takes up |  |  |

1. Examples and Non-Examples of Matter
	1. *Using the table below, categorize the words as an* example *or* non-example  *of matter*

|  |  |
| --- | --- |
| **Example** | **Non-example** |
|  |  |

1. The Language of Chemistry:
2. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_: pure substances that cannot be broken down by ordinary means to other substances
3. The elements, their names, and symbols are given on the \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**Periodic Table Word Fun!**

*Since the periodic table is like the alphabet and we use the “letters” (atoms) to form words (“molecules”) let’s start with some practice. Make some words out of the symbols from the periodic table below or on a separate piece of paper.*