|  |  |  |  |
| --- | --- | --- | --- |
| **Targets** | **With****Help** | **On My****Own** | **Teach It** |
| 1. I can list the 4 states of matter
 |  |  |  |
| 1. I can explain the three general properties of solids (shape, volume, particle movement)
 |  |  |  |
| 1. I can explain the three general properties of liquids (shape, volume, particle movement)
 |  |  |  |
| 1. I can explain the three general properties of gases (shape, volume, particle movement)
 |  |  |  |
| 1. I can explain the difference between gases and plasmas.
 |  |  |  |
| 1. When given a diagram of the different states of matter, I can identify them all, and label the points at which each matter changes states (freezing, melting, condensation, vaporization)
 |  |  |  |
| 1. I know an element is a pure substance
 |  |  |  |
| 1. I know how an element is represented by chemical symbols
 |  |  |  |
| 1. I know what a compound is and how it is represented by a chemical formula
 |  |  |  |
| 1. I can identify the difference between elements, compounds, and mixtures
 |  |  |  |
| 1. I can describe the difference between an Element and a Compound.
 |  |  |  |
| 1. I can recognize the limited number of elements that make up Earth’s crust, oceans, atmosphere and living matter.
 |  |  |  |

**Key Terms: Make and Study Flashcards for these Vocabulary Terms**

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Atom** |  | **Substance** |  | **Chemistry** |  | **Compound** |  | **Element** |
| **Gas** |  | **Liquid** |  | **Matter** |  | **Mixture** |  | **Molecule** |
| **Plasma** |  | **Solid** |  | **Solution** |  |  |  |  |



**Target 6:**

**Target 5:**

**Target 7:**

An Element is \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.

**Target 8:**

**\_\_\_\_\_ Gold \_\_\_\_\_ Sodium \_\_\_\_\_ Chlorine \_\_\_\_\_ Hydrogen**

**\_\_\_\_\_ Iodine \_\_\_\_\_ Lead \_\_\_\_\_ Carbon \_\_\_\_\_ Nitrogen**

**Target 9:**

1. A compound is \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.

2. What is the difference between **No** and **NO**?

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

3. Identify the following as element symbols or compound formulas:

**\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_Au \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_H2O \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_H2SO4**

**\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_NO \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_No \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_Pb**

**Target10:**



**Compounds**

**Elements**

**Target 11:**

|  |  |
| --- | --- |
|  |  |
|  |  |
|  |  |
|  |  |

**Target 12:**

1. List the major (not trace) elements in the human body. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
2. List the major (not trace) elements in Earth’s crust: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
3. List the major elements in Earth’s oceans:

 \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

1. List the major elements in Earth’s atmosphere:

 \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**Go back to the lists above and highlight one element in the body, crust, and oceans that is unique to that list and isn’t in any other list above.**