**Classifying Matter Unit Foldable Instructions**

**Page 1 – Cover**

* **Include**:Your Name & Title: Matter – Anything that has mass and occupies space
* **Draw** and **label** “Matter Diagram” (pg278)

**Page 2 – Mixtures (pg279)**

* **Draw** a picture depicting a homogeneous mixture and a heterogeneous mixture (pg 279)
* **Define** mixture, homogeneous mixture & heterogeneous mixture
* **Give** examples of each type of mixture

**Page 3 – Substances (pg279)**

* **Draw** a picture depicting an element and a compound.
* **Define** substance, element, atom, molecule and compound

**Page 4 – Physical Vs. Chemical Changes** (use pg 353-354 of your text book and your unit 2 notes)

* Make a graphic organizer detailing the similarities & differences between physical & chemical changes.

**Page 5** (pg284) **Three States of Matter**

* + **List** the states of matter in order of increasing energy (pg286)
  + **Draw the “phase change diagram”.** (bottom of this page)

**Page 6 – Define the following terms & Draw the figure**

* Define: Average Atomic Mass, Mass Number, Atomic Number
* Draw figure 18.17 pg 322

**Page 7 –Mass and Volume –** (pg280-281)

* **Write** the Density Equation, **including** units. (pg291)
* **Define** density using a sentence **including** a definition of **mass** and **volume**.
* **Draw** and **Label** a cube, 1cm on all sides, representing the definition of a milliliter.

**Page 8 – Isotope Notation**

* Define Isotope and describe isotope notation.
* Draw figure 18.11 on page 316. Include the isotope notation symbol and the written form of the symbol.
* Draw the isotope notation symbols for Hydrogen-1, Hydrogen-2, and Hydrogen-3. (note the term protium = hydrogen-1, deuterium = hydrogen-2, and tritium = hydrogen-3.

