

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

Period: \_\_\_\_\_

Seat#: \_\_\_\_\_

**Directions:** Any worksheet that is labeled with an \* means it is suggested extra practice. We do not always have time to assign every possible worksheet that would be good practice for you to do. You can do this worksheet when you have extra time, when you finish something early, or to help you study for a quiz or a test. If and when you choose to do this Extra Practice worksheet, please do the work on binder paper. You will include this paper stapled into your Rainbow Packet when you turn it in, even if you didn't do any of this. We want to make sure we keep it where it belongs so you can do it later if you want to (or need to). If you did the work on binder paper you can include that in your Rainbow Packet after this worksheet. If we end up with extra class time then portions of this may turn into required work. If that happens you will be told which problems are turned into required. Remember there is tons of other extra practice on the class website...and the entire internet! See me if you need help finding practice on a topic you are struggling with.

**Identify each as either a chemical or a physical change**

1) Burning a log	2) Bending a wire of Aluminum	3) Boiling water	4) Melting copper
5) Water evaporating from sugar water	6) Digesting your lunch	7) Grinding sand	8) freezing water to make ice
9) Water is absorbed by a paper towel	10) A piece of Li is dropped into water and catches fire producing LiOH	11) A pellet of sodium hydroxide is sliced in two	12) Salt dissolves in water
13) Milk sours	14) zinc reacting with hydrochloric acid producing a gas	15) Iron rusting	16) A decaying tree trunk

**Identify each as either a chemical or physical property**

17) Magnetic	18) Red color	19) Dissolves in water	20) Density
21) Malleable	22) Reacts violently with Na	23) Soluble in alcohol	24) Mass
25) Temperature	26) Length	27) Odor	28) Flammable

**Identify each as either a pure substance, homogeneous mixture, or heterogeneous mixture**

29) Salami	30) Dirt	31) A burrito	32) Iron filings
33) Steam	34) Pepsi	35) Italian Dressing	36) The gas inside a balloon blown up by mouth
37) Salt water	38) Silver	39) Chicken soup	40) The gas inside a balloon filled with helium
41) Graphite in a pencil (carbon)	42) Orange juice with pulp	43) Kool-aid	44) Blood