

Name: _____ Block: _____

6.2 Elements and Compounds

(Read pages 140 – 143 and fill in blanks)

How long have people known about pure substances?

People have investigated pure substances for _____. Example: Ten thousand years ago, people learned to extract _____ by heating the ore.

What have people discovered about pure substances?

They discovered that some pure substances can be _____ into other pure substances _____.

For this reason pure substances are classified into two types: _____, and _____.

Elements

Are _____ that _____ be broken down into any other pure substance. There are only about _____ elements in the world.

How many kinds of particles make up an element?

Elements are composed of _____.

For instance, aluminum foil is composed of only _____.

Compounds

Are pure substances that are _____. They can be solids, _____, or gases.

Ex. _____ is a compound that is made up of _____ particles and _____ particles. Every particle of water is the _____.

USE TABLE 1 to list the elements combined to make the following compounds:

Baking soda - _____
Table Salt - _____
Carbon Dioxide - _____
Chalk - _____

Do compounds have the same properties as their elements?

_____! The properties of compounds can be very _____ from the properties of the _____.
_____ and _____ are fatal on their own, but combined they make _____, which you can eat.

