

## I. Fill in the Blanks

A(n) \_\_\_\_\_ is a pure substance that is made of only one kind of atom. The symbol for a(n) \_\_\_\_\_ is always one or two letters. When the symbol contains two letters, the first letter is always \_\_\_\_\_, and the second letter is always \_\_\_\_\_.

A(n) \_\_\_\_\_ is a pure substance containing two or more elements that are \_\_\_\_\_ combined. A(n) \_\_\_\_\_ is represented by a chemical \_\_\_\_\_. The elements in a(n) \_\_\_\_\_ always combine in \_\_\_\_\_ proportions.

A(n) \_\_\_\_\_ is made of two or more substances that are \_\_\_\_\_ combined. A(n) \_\_\_\_\_ that is uniformly mixed is called \_\_\_\_\_. A special name for this is a(n) \_\_\_\_\_. A(n) \_\_\_\_\_ that is not uniformly mixed is called \_\_\_\_\_. A special type of mixture that is a solid \_\_\_\_\_ of two or more metals is called a(n) \_\_\_\_\_.

## II. Classify each of the following as an element (E), compound (C), homogeneous mixture/solution (S), or heterogeneous mixture (HE).

chocolate chip cookie	_____
oxygen gas	_____
salt water	_____
taco	_____
gold	_____
carbon dioxide	_____
water	_____
kool aid	_____
table salt	_____
muddy water	_____
potassium	_____
brass	_____
graphite	_____
glass	_____
air	_____