Atom, Element, and Molecule Lab

(use connect blocks to create your matter)

1) Draw and color an atom.

2) Draw and color an element made of the same atom.

b) Use the connect blocks of the same color to create a BOND between the atoms of the same element. This is called a **molecule** of an element.

c) Draw, color, and name the molecule of the element (e.g. 6 green blocks would be written as G6).

d) What represents the atom?

_____

e) What represents the element?

_____

f) How many atoms make up your molecule of your element?

_____

g) What is the difference between an atom and element?

_____

3) Build a different element using a different color of block.

b) Draw and color the element (using your atoms).

c) Build, draw, color, and name a molecule of your element.

d) What represents the atom? _____

e) How many atoms make up the molecule of your element?
_____

f) What color represents your element? _____

4) When you stick the blocks of different colors together, your making a BOND between the **atoms** of different elements. Example: Water(H_2O)

a) Using your Legos build a water molecule.

b) Draw and color your water molecule.

5) Using your blocks build a compound molecule different than water.

b) Draw and color your compound molecule (use at least 4 blocks)

c) Name your molecule by counting the blocks of the two different colors. (Example B6G2 is 6 blue and 2 green)
_____

This will be the left side of IAN:

Parts of Matter	Define	Draw