

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

### Molecules and Compounds Quiz



Directions: Choose the best answer from the word bank that completes each of the following sentences.

| Compound | Molecule | Chemical Formula |
|----------|----------|------------------|
| Atom     | Elements |                  |

- 1) A pure substance that forms when 2 or more elements chemically combine is called a \_\_\_\_\_.
- 2) A \_\_\_\_\_ is an expression which states the number and type of atoms present in a molecule of a substance.
- 3) A \_\_\_\_\_ is the smallest unit of matter and everything is made up of them.
- 4) \_\_\_\_\_ are made of one type of atom and are found on the periodic table.
- 5) A substance that forms when 2 or more atoms chemically combine is called a \_\_\_\_\_.

For the following molecules, tell what elements are present and how many. The first one has been done for you as an example.

Ex)  $\text{CO}_2$  (Carbon Dioxide)

Carbon = 1

Oxygen = 2

6)  $\text{O}_3$  (Ozone)

7)  $\text{CH}_4$  (Methane)

Write the chemical formula for the following molecules.

8) \_\_\_\_\_



9) \_\_\_\_\_



10) Is #8 a molecule, compound, or both?

11) Is #9 a molecule, compound, or both?