Name:\_\_\_\_\_\_Answer Key\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Date:\_\_\_\_\_\_\_ Period:\_\_\_\_\_\_\_\_\_

Complete the following table:

Using your notes to help you, define the following terms:

Element: is a type of matter with a unique set of properties that cannot be broken down into simpler substances by chemical means.

Compound: Compound- A compound is two or more different elements held together in fix proportions.

Ion: Ions are atoms or groups of atoms with a charge (+ or-)

Molecule: **Molecules** are combinations of two or more atoms of the same or different elements.

Atom: An **atom** is the basic building block of matter.

|  |  |  |  |
| --- | --- | --- | --- |
| **Chemical** | **Is it an element?** | **Is it a compound?** | **What elements are present in this compound?** |
| Glucose (C6H12O6) | N | Y | Carbon, Hydrogen, Oxygen |
| Sulfur (S) | Y | N | Sulfur-not a compound |
| Iron (Fe) | Y | N | Iron -Not a compound |
| Urea (CH4N2O) | N | Y | Carbon, Hydrogen, Nitrogen, Oxygen |
| Carbon Dioxide (CO2) | N | Y | Carbon, Oxygen |

Circle each of the molecules.