

PARTS OF AN ATOM

Name: _____ Period: _____

An atom is made up of protons and neutrons which are in the nucleus, and electrons which are in the electron cloud surrounding the nucleus.

- **Atomic Number = number of protons**
 - o Atomic Number is found above the atomic symbol on the periodic table
- **Atomic Mass = # of protons + # of neutrons.**
 - o Atomic Mass is found below the name of the element on the periodic table
 - Note: **round atomic mass to the nearest whole number!!!**
 - o # of neutrons = Atomic Mass - # of protons
- **# of electrons = # of protons (in a neutral atom)**

Use this information and a periodic table to help you complete the following chart.

| Atomic Symbol | Element Name | Atomic Number | Atomic Mass | # of protons | # of neutrons | # of electrons |
|---------------|--------------|---------------|-------------|--------------|---------------|----------------|
| Mg | | | | | | |
| K | | | | | | |
| Na | | | | | | |
| F | | | | | | |
| Al | | | | | | |
| H | | | | | | |
| Ag | | | | | | |
| S | | | | | | |
| Cl | | | | | | |
| Be | | | | | | |
| Hg | | | | | | |
| Au | | | | | | |
| Zn | | | | | | |
| W | | | | | | |
| Ca | | | | | | |
| Ne | | | | | | |
| N | | | | | | |
| Cr | | | | | | |
| Fe | | | | | | |
| Cu | | | | | | |