Periodic Table

You will need to KNOW the name, symbol, and atomic number for the following elements: **1-36, 47, 50, 53, 78, 79, 80, 82, 92, and 95.**	**You will need to know how to determine the # of protons, # of neutrons, # of electrons, and type of element (*metal, nonmetal, or metalloid*) for the following elements:** **1-36, 47, 50, 53, 78, 79, 80, 82, 92, and 95.**
• atomic number: the number of protons in the nucleus of the atom • chemical symbol: an abbreviation for the elements • atomic mass number: the total number of protons and neutrons in the nucleus of the atom • groups: vertical columns of the periodic table • periods: horizontal rows of the periodic table	*How to determine:* -# of protons: equal to the atomic number -# of electrons: In a neutral atom, it is equal to the # of protons (the atomic number). It is different when dealing with ions. -# of neutrons: atomic mass – atomic number Valence electron: count the groups but skip the transition metals (groups 3-12) e.g. Group 18 will have **8** valence electrons.