

Periodic Elements Need to Knows Worksheet

Directions: Use your periodic table to find the Symbol, atomic number & atomic mass (round the atomic mass to the nearest whole number). Determine if the element is a metal, nonmetal or metalloid and if it is a solid, liquid or a gas at room temperature.

1. Knowing that the atomic number tells us the number of protons, fill in the “# protons” column.
2. Since the # of electrons is equal to the number of protons in a neutral atom, now fill in the “# electrons” column.
3. Knowing the atomic mass = the # of protons + the # of neutrons, simply subtract the atomic mass from the # of protons to determine the number of Neutrons. Now fill in the “# neutron” column with this number you have just calculated.

Element	Symbol	Atomic Number	Atomic Mass	-	# Protons	=	# Neutrons	# Electrons	Solid Liquid Gas	Metal Metalloid Nonmetal
Hydrogen										
Oxygen										
Carbon										
Nitrogen										
Calcium										
Phosphorus										
Sulfur										
Helium										
Sodium										
Chlorine										
Aluminum										
Potassium										

