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## The Periodic Table Review Worksheet

Name whether the elements below are metals or non-metals:

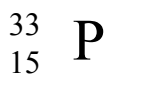
Na                      F                      Ni                      Al

S                      At                      U                      Si

How many protons, neutrons, and electrons do these elements have according to the periodic table?

Ca                      Zn                      I                      Hg

How many protons, neutrons, and electrons do these elements have given the atomic notation (information near them)? The line under each problem is not meant to be there but I cannot display these correctly any other way.



Give at least one chemical symbol for each category:

Transition metals:

Alkali metals:

Halogens:

Alkaline earth metals:

Noble gases:

Metalloids:

Give the elemental symbols of the third period.

Give the elemental symbols of the second group.

Give the ions for the elements below and tell how many electrons they have gained or lost.

Mg

S

Li

N

Give the amount of electron shells for each element.

C

Ar

Ba

Fe

Give the amount of valence electrons for each element.

F

Li

B

O

Which element below has the LOWEST electronegativity?  
Cl, I, F, Br

Which element below has the HIGHEST electronegativity?  
B, Li, O, C

Which element below has the LOWEST electronegativity?  
Ca, Al, Cs, N

Which element below has the HIGHEST ionization energy?  
Mg, Al, Na, S

Which element below has the LOWEST ionization energy?  
Rb, Li, Cs, H

Which element below has the HIGHEST ionization energy?  
Fe, O, Na, Be

Which element below has the SMALLEST Atomic Radius?  
P, As, N, Sb

Which element below has the LARGEST Atomic Radius?  
I, Rb, Sr, Te

Which element below has the SMALLEST Atomic Radius?  
Rb, Mg, Cl, As