

Notes

Name	Symbol	Atomic #	# protons	# electrons	Atomic mass	# neutrons
Argon		18				
Copper		29				
Silver		47				

Ions: When atoms _____ or _____ electrons, they are no longer neutral. Metals will lose their _____. How many electrons will Lead # 82 lose? _____

When lead loses its _____ valence electrons, it will then have _____ protons but only _____ electrons. That gives Lead + _____ but - _____ and it is now _____. The Lead Ion is a particle with a _____ charge.

Name	Symbol	Atomic #	# protons	# val electrons	# remaining electrons	charge
Magnesium						
Potassium		19				
Gallium		31				

When atoms gain electrons, they will gain enough to end up with a total _____
 _____ Electrons. Non-metals will _____ electrons.
 Non-metals will form _____.

Name	Symbol	Atomic #	# protons	# val electrons	# electrons gained	charge	Name
Bromine		35					
Sulfur		16					
Nitrogen		7					

Positive Ions are called _____

Negative Ions are called _____. These will end in _____