

Valence Electrons

Name: _____

1) What is the maximum number of electrons that can occupy the first electron shell surrounding the nucleus of an atom? The second electron shell?

First shell:		Second shell:		Third shell:	
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2) Using your periodic table, complete the table below.

Name	Symbol	Atomic Number	# of Electrons in Neutral Atom	# of Electrons in Outermost Energy Level	Easiest Way to Get to an Octet	Electron Dot Formula
Hydrogen	H	1	1	1	Gain 1 electron	H•
Carbon	C	6	6	4	Gain 4 electrons	•C• •
Oxygen						
Nitrogen						
Fluorine						
Calcium						
Sulfur						
Argon						
Phosphorus						
Chlorine						
Potassium						
Aluminum						
Silicon						
Arsenic						