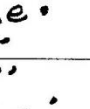
Name Teacher's Notes Pd ____ Date _____

Chemistry: Valence Electrons & Lewis Dot Structures Worksheet

Apply your knowledge of valence electrons, Lewis dot structures and the octet rule to complete the table below.

Element	Valence Electrons		Lewis Dot Structure	to achieve a full valence shell	
	Main E Level	How Many?		# of e's gained	# of e's lost
Hydrogen	1	1	H·	1	1
Lithium	2	1	Li·	7	1
Cesium	6	1	Cs·	7	1
Magnesium	3	2	·Mg·	6	2
Calcium	4	2	·Ca·	6	2
Strontium	5	2	·Sr·	6	2
Boron	2	3	·B·	5	3
Aluminum	3	3	·Al·	5	3
Carbon	2	4	·C·	4	4
Silicon	3	4	·Si·	4	4
Lead	6	4	·Pb·	4	4
Nitrogen	2	5	·N:	3	5
Phosphorous	3	5	·P:	3	5

Element	Valence Electrons		Lewis Dot Structure	to achieve a full valence shell	
	Main E Level	How Many?		# of e's gained	# of e's lost
Oxygen	2	6		2	6
Sulfur	3	6		2	6
Fluorine	2	7		1	7
Chlorine	3	7		1	7
Bromine	4	7		1	7
Iodine	5	7		1	7
Helium	1	2		0	0
Neon	2	8		0	0
Argon	3	8		0	0
Krypton	4	8		0	0
Xenon	5	8		0	0
Radon	6	8		0	0