

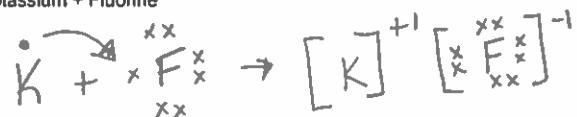
Bonding Basics - Ionic Bonds

Complete the chart for each element.

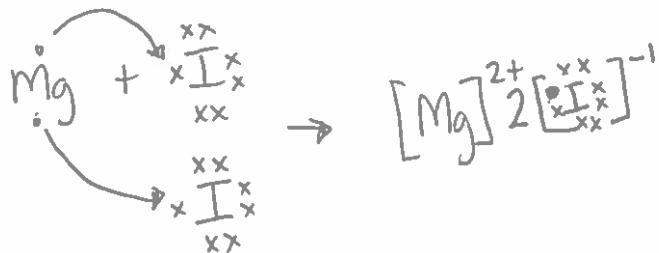
Element	# of Protons	# of Electrons	# of Valence Electrons	Oxidation Number
Sodium	11	11	1	+1
Chlorine	17	17	7	-1
Beryllium	4	4	2	+2
Fluorine	9	9	7	-1
Lithium	3	3	1	+1
Oxygen	8	8	6	-2
Phosphorus	15	15	5	-3

Follow your teacher's directions to complete each ionic bond.

(1) Potassium + Fluorine



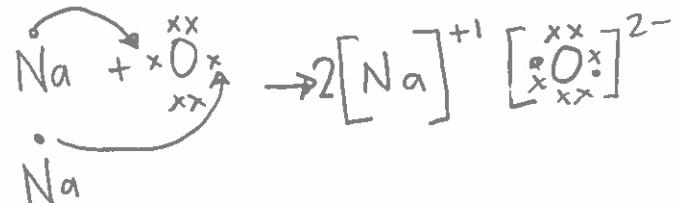
(2) Magnesium + Iodine



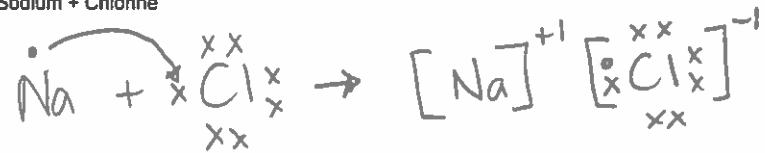
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Name ANSWERS

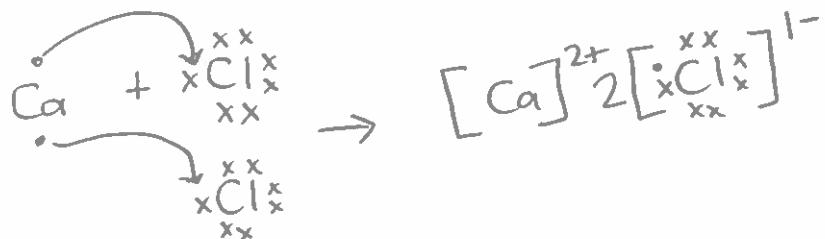
(3) Sodium + Oxygen



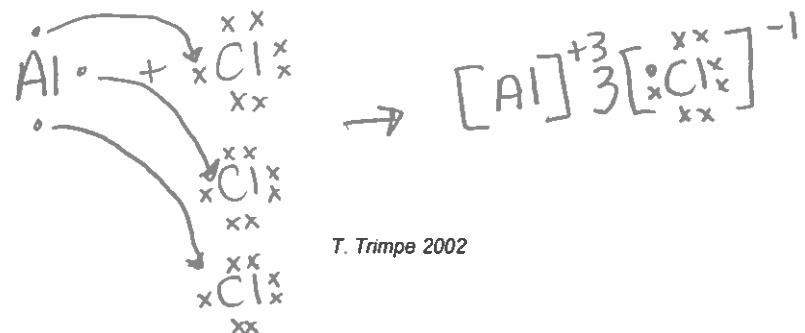
(4) Sodium + Chlorine



(5) Calcium + Chlorine



(6) Aluminum + Chlorine



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Bonding Basics - Covalent BondsName ANSWERS

Complete the chart for each element.

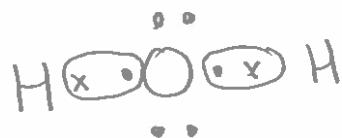
Element	# of Protons	# of Electrons	# of Valence Electrons	# of Electrons to Fill Outer Shell
Carbon	6	6	4	4
Chlorine	17	17	7	1
Hydrogen	1	1	1	1
Phosphorus	15	15	5	3
Oxygen	8	8	6	2
Sulfur	16	16	6	2
Nitrogen	7	7	5	3

Follow your teacher's directions to complete each covalent bond.

(1) Hydrogen + Hydrogen



(2) Hydrogen + Oxygen



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(3) Chlorine + Chlorine



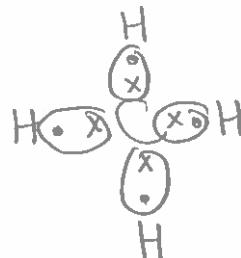
(4) Oxygen + Oxygen



(5) Carbon + Oxygen



(6) Carbon + Hydrogen



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