

TEACHER EXAMPLES: Ionic & Covalent bonding

Complete the chart for each element.

Name _____

Element	# of Protons	# of Electrons	# of Valence Electrons	Oxidation Number
Sodium				
Chlorine				
Beryllium				
Fluorine				
Lithium				
Oxygen				
Phosphorus				

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

(1) Potassium + Fluorine

(2) Magnesium + Iodine

(3) Sodium + Oxygen

(4) Sodium + Chlorine

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(5) Calcium + Chlorine

(6) Aluminum + Chlorine

Bonding Basics - Covalent Bonds

Name _____

Complete the chart for each element.

Element	# of Protons	# of Electrons	# of Valence Electrons	# of Electrons to Fill Outer Shell
Carbon				
Chlorine				
Hydrogen				
Phosphorus				
Oxygen				
Sulfur				
Nitrogen				

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

(1) Hydrogen + Hydrogen

(2) Hydrogen + Oxygen

(3) Chlorine + Chlorine

(4) Oxygen + Oxygen

(5) Carbon + Oxygen

(6) Carbon + Hydrogen