Structure and Bonding

Element	# Valence Electrons	Lewis Diagram of Element	# of Electrons gained or lost to form stable ion	Ion Charge	Ion Lewis Diagram
Н					
Li					
F					
Mg					
I					
Ве					
0					
Al					
S					
Br					
N					
С					
CI					
Ca					
В					

Ionic or Covalent

Compound	Reacting Elements	Ionic or Covalent	Electrons
	(metal & non-metal or	Bonding	"shared" or
	non-metal & non-metal)		"gained & lost"
LiCI			
MgF ₂			
CO ₂			
NaBr			
H ₂ O			
CO			
CaCl ₂			
Al ₂ O ₃			
NH ₃			
CCI₄			
B ₂ S ₃			
N ₂			
MgO			
CaS			

Model the bonding that would occur

Lithium and Fluorine	Oxygen (diatomic)
Sulphur and Fluorine	Magnesium and lodine
Beryllium and Oxygen	Carbon and Chlorine
20. ymam ana Oxygon	
Aluminium and Sulfur	Nitrogen and Hydrogen
Hydrogen and Bromine	Sodium and Sulfur
Hydrogen and Bromine	Sodium and Sulfur
Hydrogen and Bromine	Sodium and Sulfur
Hydrogen and Bromine	Sodium and Sulfur
Hydrogen and Bromine Boron and Oxygen	Sodium and Sulfur Nitrogen (diatomic)



