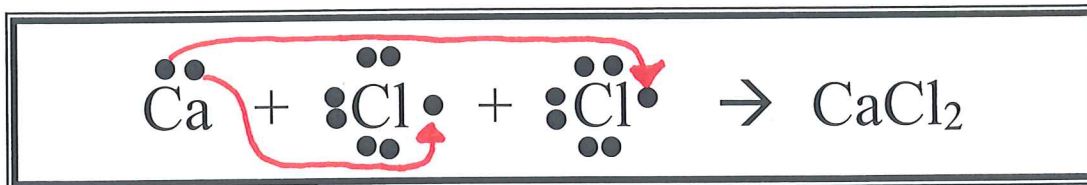


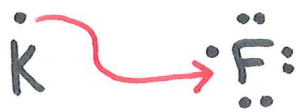
Transferring Electrons to Make Bonds

(Honors Chemistry)

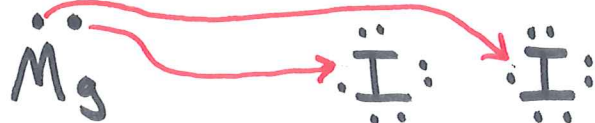
Show each element and their dot Structure, then Show the transfer of electrons between the following atoms. (You may need more than 1 atom.)



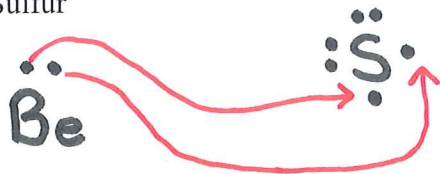
1. Potassium + Fluorine



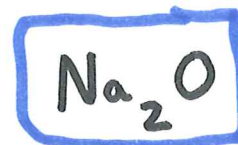
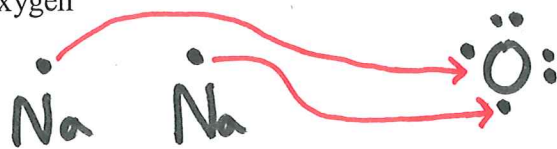
2. Magnesium + Iodine



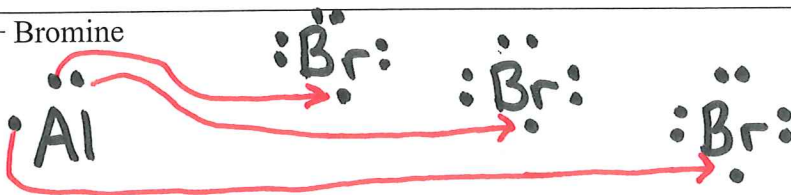
3. Beryllium + Sulfur



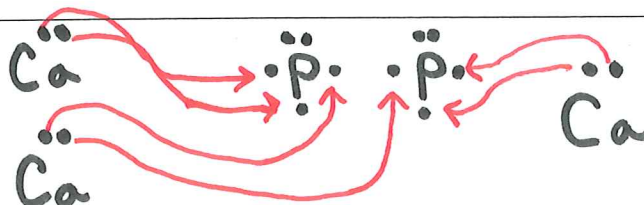
4. Sodium + Oxygen



5. Aluminum + Bromine



6. Calcium + Phosphorus



Determining the Ions in Compounds

<u>Chemical Formula</u>	<u>Cation</u>	<u>Anion</u>	<u>Chemical Formula</u>	<u>Cation</u>	<u>Anion</u>
Li ₂ S	Li ⁺	S ²⁻	NaHCO ₃	Na ⁺	HCO ₃ ⁻
Zn ₃ P ₂	Zn ²⁺	P ³⁻	Pb(OH) ₄	Pb ⁴⁺	OH ⁻
BeF ₂	Be ²⁺	F ⁻	Pb ₃ (PO ₄) ₂	Pb ²⁺	PO ₄ ³⁻
Ag ₃ N	Ag ⁺	N ³⁻	Fe ₂ (SO ₃) ₃	Fe ³⁺	SO ₃ ²⁻
NiCl ₃	Ni ³⁺	Cl ⁻	SrC ₂ O ₄	Sr ²⁺	C ₂ O ₄ ²⁻
BaCl ₂	Ba ²⁺	Cl ⁻	NaClO	Na ⁺	ClO ⁻
Cr ₂ S ₃	Cr ³⁺	S ²⁻	Cu ₂ SO ₃	Cu ⁺	SO ₃ ²⁻
Fe ₂ O ₃	Fe ³⁺	O ²⁻	Sn(ClO) ₂	Sn ²⁺	ClO ⁻
SrO	Sr ²⁺	O ²⁻	Al(OH) ₃	Al ³⁺	OH ⁻
FeO	Fe ²⁺	O ²⁻	Sn ₃ (PO ₄) ₂	Sn ²⁺	PO ₄ ³⁻
MnSe ₂	Mn ⁴⁺	Se ²⁻	Cr ₂ (SO ₄) ₃	Cr ³⁺	SO ₄ ²⁻
CrF ₂	Cr ²⁺	F ⁻	Pb(ClO ₃) ₂	Pb ²⁺	ClO ₃ ⁻
Au ₂ S	Au ⁺	S ²⁻	Sn(NO ₃) ₄	Sn ⁴⁺	NO ₃ ⁻
Cu ₃ P ₂	Cu ²⁺	P ³⁻	FePO ₃	Fe ³⁺	PO ₃ ³⁻
Sn ₃ N ₂	Sn ²⁺	N ³⁻	MnCrO ₄	Mn ²⁺	CrO ₄ ²⁻
PbI ₄	Pb ⁴⁺	I ⁻	AuC ₂ H ₃ O ₂	Au ⁺	C ₂ H ₃ O ₂ ⁻
Al ₂ O ₃	Al ³⁺	O ²⁻	Cr ₂ (Cr ₂ O ₇) ₃	Cr ³⁺	Cr ₂ O ₇ ²⁻
Li ₃ P	Li ⁺	P ³⁻	Zn(CN) ₂	Zn ²⁺	CN ⁻
CoCl ₃	Co ³⁺	Cl ⁻	Ba(NO ₃) ₂	Ba ²⁺	NO ₃ ⁻
Cu ₃ P	Cu ⁺	P ³⁻	Ca(MnO ₄) ₂	Ca ²⁺	MnO ₄ ⁻