White Board Practice Types of Bonds and Nomenclature Write down your answer on the white board and hold it up when you think that you have the answer!	How many valence electrons does Oxygen have? 6 valence electrons	What charge will oxygen have when it forms an ion? What will its name be? 2- Oxide	CCI 4 Type of bond? Name? Covalent, Carbon tetrachloride
Type of bond? Name? Nonic, Magnesium hydroxide	Type of bond? Name? Ionic, Sodium chloride	Type of bond? Name? Ionic, sodium fluoride	Ba(NO ₃) ₂ Type of bond? Name? Ionic, Barium nitrate
Li 2 SO 4 Type of bond? Name? Ionic, Lithium sulfate	S ₂ F ₄ Type of bond? Name? Covalent, Disulfur tetrafluoride	CO ₃ Type of bond? Name? Covalent, Carbon trioxide	How many valence electrons does Sulfur have? 6 valence electrons
What charge will sulfur have when it forms and on? What will its name be? 2- Sulfide	[™] What are the names for the common ions SO₄ ²⁻ and SO₃ ²⁻ Sulfate and Sulfite	Type of bond? Name? Ionic, Cesium Sulfide	 How many valence electrons does Radium have? 2 valence electrons
What charge will Radium have when it forms and on? What will its name be? 2+ Radium	Type of bond? Name? Ionic, Cobalt (III) Fluoride	NO2 Type of bond? Name? Covalent, Nitrogen dioxide	How many valence electrons does Nitrogen have? 5 valence electrons
What charge will Nitrogen have when it forms and on? What will its name be? 3- Nitride	Type of bond? Name? Ionic, Magnesium chloride	Type of bond? Name? Ionic, Aluminum sulfate	a AgNO3 Type of bond? Name? Ionic, Silver nitrate

Rb₃N Type of bond? Name?	H ₃ P Type of bond? Name?	H ₂ O Type of bond? Name?	SF ₆ Type of bond? Name?
lonic,	Covalent,	Covalent,	Covalent,
Rubidium nitride	Trihydrogen monophosphide	Dihydrogen monoxide	Sulfur hexafluoride
Na3N Type of bond? Name? Ionic, Sodium nitride	How many valence electrons does Phosphorous have? 5 valence electrons	What charge will Phosphorous have when it forms and ion? What will its name be? 3- Phosphide	NO5 Type of bond? Name? Covalent, Nitrogen pentoxide
CO Type of bond? Name?	NBr ₃ Type of bond? Name?	N ₂ Cl ₇ Type of bond? Name?	SF ₆ Type of bond? Name?
Covalent,	Covalent,	Covalent,	Covalent,
Carbon monoxide	Nitrogen tribromide	dinitrogen heptachloride	Sulfer hexafluoride
P 4 O 10	Nal	BN	NH₄F
Type of bond? Name?	Type of bond? Name?	Type of bond? Name?	Type of bond? Name?
Covalent, Tetraphosphorous decoxide	Ionic, Sodium iodide	Covalent, Boron mononitride	Ionic, Ammonium fluoride
37	38	39	40
AI(OH) ₃ Type of bond? Name?	SIO ₂ Type of bond? Name?	How many valence electrons does Rubidium have?	What charge will Rubidiu have when it forms and ion? What will its name be
Ionic, Aluminum hydroxide	Covalent, Silicon dioxide	1 valence electron	Rubidium, 1+
MgCO ₃	As4O10	LiNO ₃	HCI Type of bond? Name?
Type of bond? Name?	Type of bond? Name?	Type of bond? Name?	
lonic,	Covalent, Tetrarsenic decoxide	lonic,	Covalent,

Magnesium carbonate

Tetrarsenic decoxide

47

Lithium nitrate

46

Hydrogen monochloride

48

N2S5	ICl2	FeCl ₃	Na2CO3
Type of bond? Name?	Type of bond? Name?	Type of bond? Name?	Type of bond? Name?
Covalent,	Covalent,	Ionic,	Ionic,
Dinitrogen pentasulfide	Iodine dichloride	Iron (III) Chloride	Sodium carbonate
CaSO 4	Fe ₂ O ₃	CO ₃ N ₂	
Type of bond? Name?	Type of bond? Name?	Type of bond? Name?	
Ionic,	Ionic,	Ionic,	
Calcium sulfate	Iron (III) Oxide	Cobalt (II) nitride	