Name:	
D 4 4	

Changes of Matter Review

Transition Metals Noble Gases Metals Nonmetals Ionic Covalent	B. Gain ele C. Compoushared. D. Do not h numbers E. Do not c F. Compoushand negative	ombine into com nds formed betw tively charged a	n electrons are xidation apounds. een positively toms.	Oxidation #s Octet Rule Diatomic Molecule Electrolyte Valence Electrons	 A. Tells you that atoms are more stable with 8 valence electrons. B. A molecule of two atoms of the same element. C. When dissolved in water, a compound that allows electricity to pass. D. How many electrons are gained or lost. E. Outermost electrons of an atom.
Give the symbol Oxygen (O)8 Nitrogen () _ Helium () _ Sodium () _	<u>.</u>	Boron () Bromine () Iron () Mercury () _	&	Aluminum (AI) _ Neon () _ Chlorine () _ Boron () _	Sodium () Calcium ()
Give the symbol Aluminum (Al) Phosphorus (Argon () Copper ()	13 .	f protons for the Lithium () Magnesium Silver () Gold ()	�	Give these element OxygenO^2- Nitrogen Helium Carbon	Bromine Potassium
How many Alun How many Magn How many Sodin How many Oxyg	nesiums in Mg ums in Na ₃ N?	Cl ₂ ?		How many total a	atoms in Al ₂ O ₃ ? atoms in MgCl ₂ ? atoms in Na ₃ N? atoms in Li(NO ₃)?
How many ele K ¹⁺ Lost 1 B ³⁺ S ²⁻ He ⁰		Fe ²⁺		K Lost 1 Al O Be	Br Ca H
Draw the L	ewis Dot Diag Lithium	rams for the foll Sulfur	owing. Argon	Draw 3 differen	t Lewis Dot Diagrams for Aluminum.
Aluminum	Nitrogen	Magnesium	Chlorine	Use Electron Arr	ows to Combine Magnesium and Fluorine

		Ionic, Covalent, or Polyatomic?	Use Prefixes?	Сотрои	nd Name			Metal or Non-metal? Cobalt ()
1.	Al_2O_3	HEART STREET, STREET, ST.	No	Aluminu	ım Oxia	le	is:	Sodium ()
2.	O_2F_2	P-00-1889	200-0-0-0	: : 201 2000 111 2000 1				Fluorine ()
3.	BeF_2							Argon () Magnesium ()
4.	K ₂ (CO ₃)	7 		784			39	Nickel ()
5.	N_2F_3	N		N <u>2.1</u>		;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;		Give the total charge
6.	SF_6	0 					Ca ²	+6
7.	Al ₂ (CrO ₄)	3	2				0000	2+O ²⁻
8.	P_4S_3	(²⁺ F ¹⁻
9.	NaN ₃							+ F ₁ - + S ₂ -
10.	MgO					- 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1		*O ² ₂
11.	PF ₃			:			O_3^{2-}	
12.	CO ₂	20 0000 11100	80.000				Mg	²⁺ (NO ₃) ¹⁻
Li Na Al	$^{2+}$ and O^{2-} : a^{1+} and N^{3-} : a^{3+} and O^{1-} :		K^{1+} and Li^{1+} and Ca^{2+} and	S ²⁻ : IF ¹⁻ : d P ³⁻ :	Li and Mg and Al and Mg and	Cl: d O: d S:		formulas for the following:
1	Draw the L	ewis Dot Diagr	am for mole	ecular Fluorine (F ₂).	-	-C-		Using shorthand, make Oxygen Dichloride
				Short hand	# of el	ectrons:	 .:	mate oxygen Diemoriae
						N≡		
					# of el	ectrons:	_	
I T	-	300x 200x 200x		For the light to come of kind of compound wou to be dissolved: ionic of covalent? What do we call a come that will allow electricity flow?	or pound	NaCl CO ₂ MgCl ₂	these Ek	Al ₂ O ₃