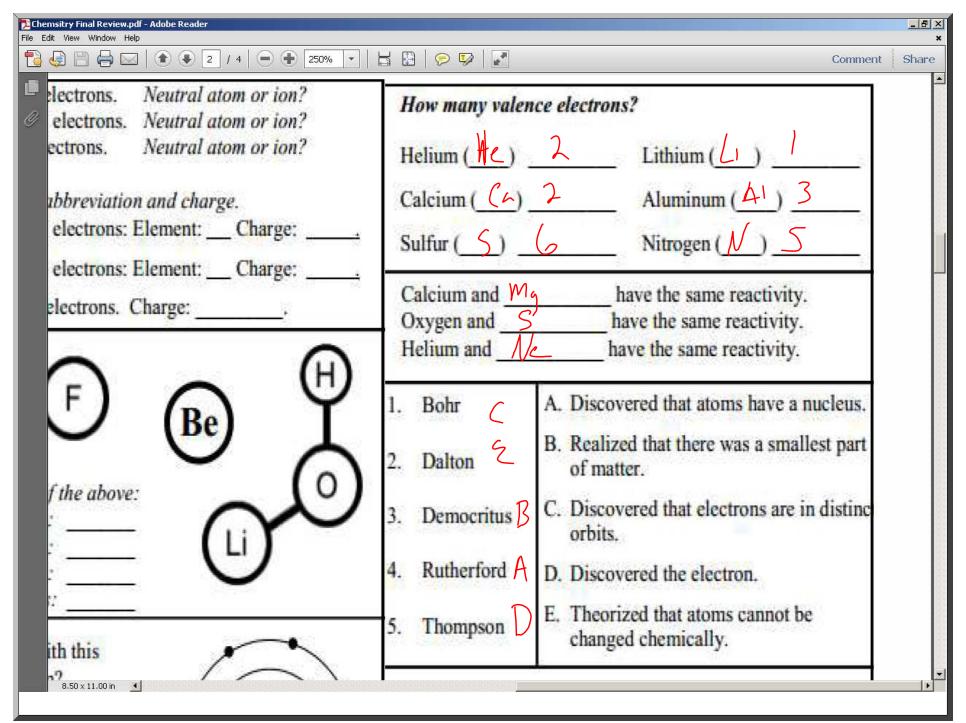
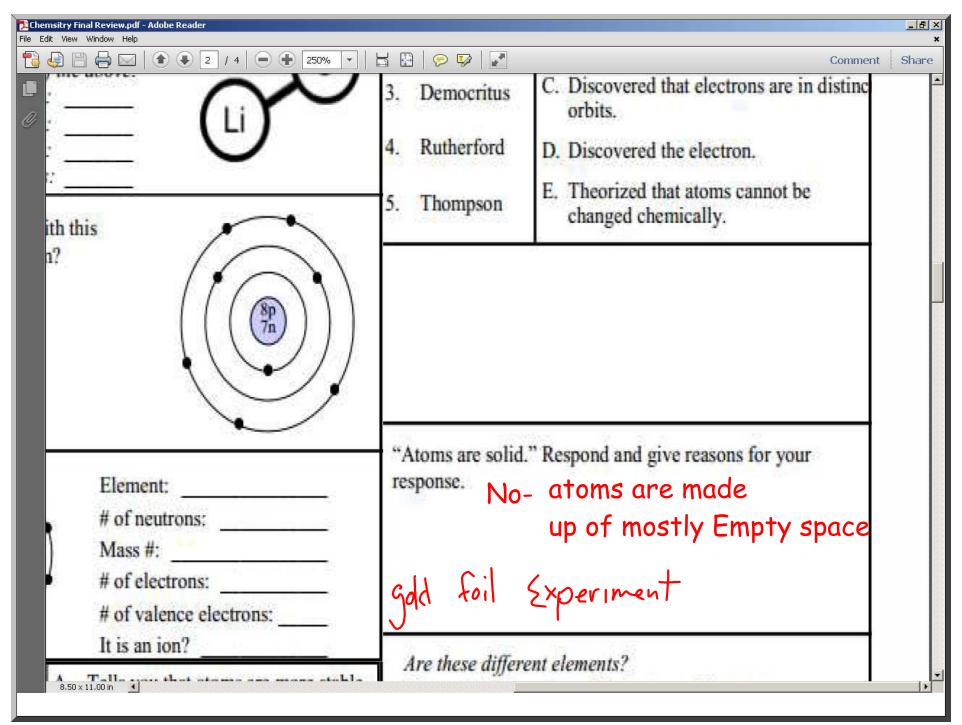


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ns.	8 protons and 10 electrons. Neutral atom or ion? -2 16 protons and 18 electrons. Neutral atom or ion? -2 How many	y valence	e ele
oming negative ions	20 protons and electrons. Neutral atom or ion? Helium (_	_) _	
when electrons are	10 protons and 18 electrons, element Charge	_)_	
ent oxidation	35 protons and 36 electrons: Element: 6 Charge: Nitrogen with 10 electrons. Charge: Calcium ar	Calcium and Oxygen and	
o compounds.	(F)		A.
between positively ged atoms.	Be) C Dalton	1	B.
ese elements.	For all of the above: Atoms: 6 Elements: 5 Atoms: 1 Atoms: 1	ritus	C.
	Molecules: 2 Compounds: 4. Rutherfo	8.0872	D.
7/-	5. Thomps	son []	E,

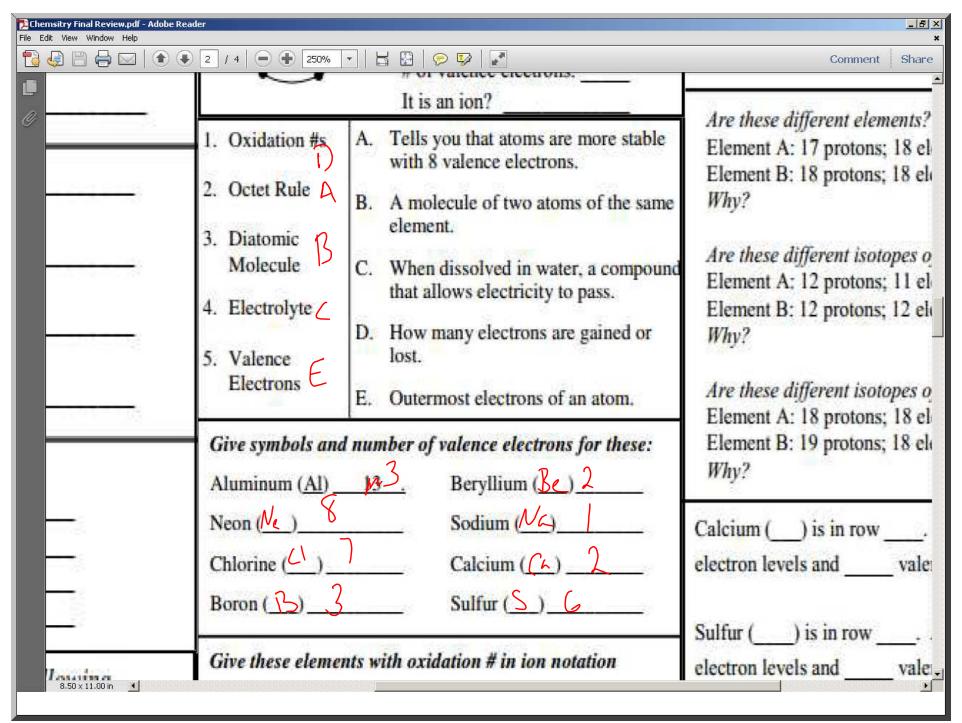


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	Give the symbol and atomic to Oxygen (O) 8	number of these elements. Boron (B) S	Atoms: Elements: Molecules: Compounds:
	Nitrogen (N)] Helium (Le) _ 2 Sodium (N)	Bromine (Br) 35 Iron (fe) 26 Mercury (Hg) 80	What is wrong with this picture of an atom?
8.50 x 11	Aluminum (Al)13 Phosphorus ($\frac{1}{2}$)15 Argon ($\frac{1}{2}$)8 Copper ($\frac{1}{2}$)29	Cold (Au) 79	El #6 M #6 #6 #6 It I

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these elements.	Atoms: Li	3. Democritus C. I c. 1 c
	What is wrong with this picture of an atom? The IMME Mod Shell 18 Mod	5. Thompson E, 1 c
for these elements. () _m)	Element: Maghes 10 m # of neutrons: 13 Mass #: 25 # of electrons: 8	"Atoms are solid." Respressionse.
8.50 × 11.00 in	It is an ion? 95	Are these different ele



The second secon	Review.pdf - Adobe Reader ndow Help	_ [] ×
		Comment Share
	Copper () Gold ()	It I. Oxidation #s A. Tell
	How many Aluminums in Al ₂ O ₃ ?	2. Octet Rule 3. Diatomic Molecule 4. Electrolyte with B. A m elen C. Who that
	How many Oxygens in Li(NO ₃)?	5. Valence lost. Electrons E. Out
	How many electrons are gained or lost? $K^{1+} Lost I Fe^{2+} L Z B^{3+} L 3 F^{1*} G I S^{2*} G Y S^{3*} G S^{4+} E W L W S^{4+} E W L W S^{4+} E W W L W W W W W W W$	Aluminum (Al) Neon () Chlorine () Boron ()
8.50 x 11.	Drow the Lawie Dat Discreams for the following	Give these elements with o

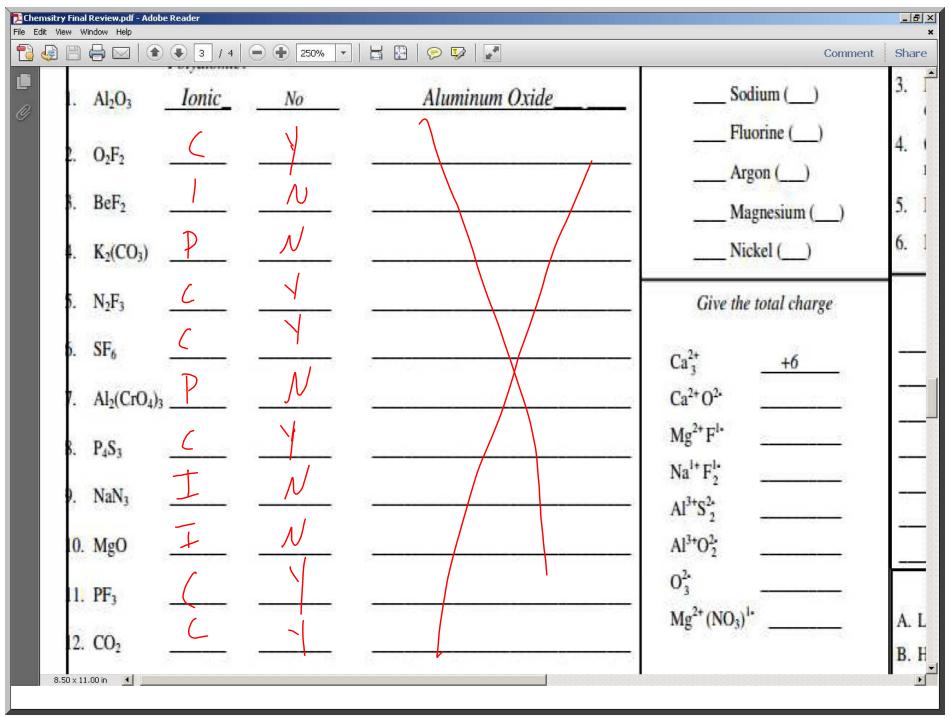


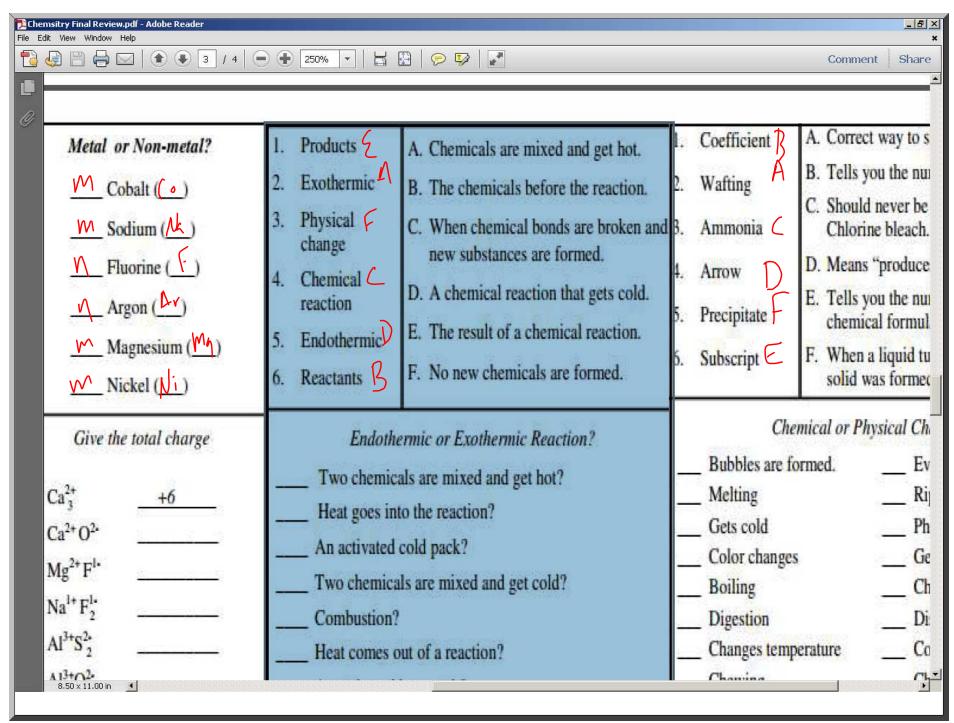
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□ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □	Gomment € Comment	SI
It is an ion?	Are these different elements?	
 Tells you that atoms are more stable with 8 valence electrons. 	Element A: 17 protons; 18 electrons; 16 neutrons. Element B: 18 protons; 18 electrons; 18 neutrons.	
 B. A molecule of two atoms of the same element. 	Why?	
 When dissolved in water, a compound that allows electricity to pass. 	Are these different isotopes of one another? Element A: 12 protons; 11 electrons; 13 neutrons. Element B: 12 protons; 12 electrons; 14 neutrons.	
D. How many electrons are gained or lost.	Why?	
E. Outermost electrons of an atom.	Are these different isotopes of one another? Element A. 18 protons; 18 electrons; 18 neutrons.	
number of valence electrons for these: 13 . Beryllium ()	Element B 19 protons; 18 electrons; 19 neutrons. Why? \(\)	
Sodium ()	Calcium () is in row Calcium has complete	
Calcium () Sulfur ()	electron levels and valence electrons in level	
s with oxidation # in ion notation	Sulfur () is in row Argon has complete electron levels and valence electrons in level	

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<u></u>	Draw the	Lewis Dot Dia	grams for the foll	owing.	Give these elements w	
	Carbon	Lithium	Sulfur	Argon	Nitrogen Helium Carbon	
	Aluminum	Nitrogen	Magnesium	Chlorine	How many total atoms How many total atoms How many total atoms	s in M
	Å »	* A	Mg °	· C !	How many total atoms How many electrons KLost 1 Al O Be	

	2 / 4 - 250% - 5	Sulfur () is in row .
llowing. Argon	Give these elements with oxidation # in ion notation OxygenO^2 Boron Nitrogen Bromine Helium Potassium Carbon Hydrogen	electron levels and val
Chlorine	How many total atoms in Al ₂ O ₃ ?	Use Electron Arrows to Comi
8.50 × 11.00 in ◀	How many electrons will be gained or lost by: K Lost 1 Ar C Br G Ca Be H L	

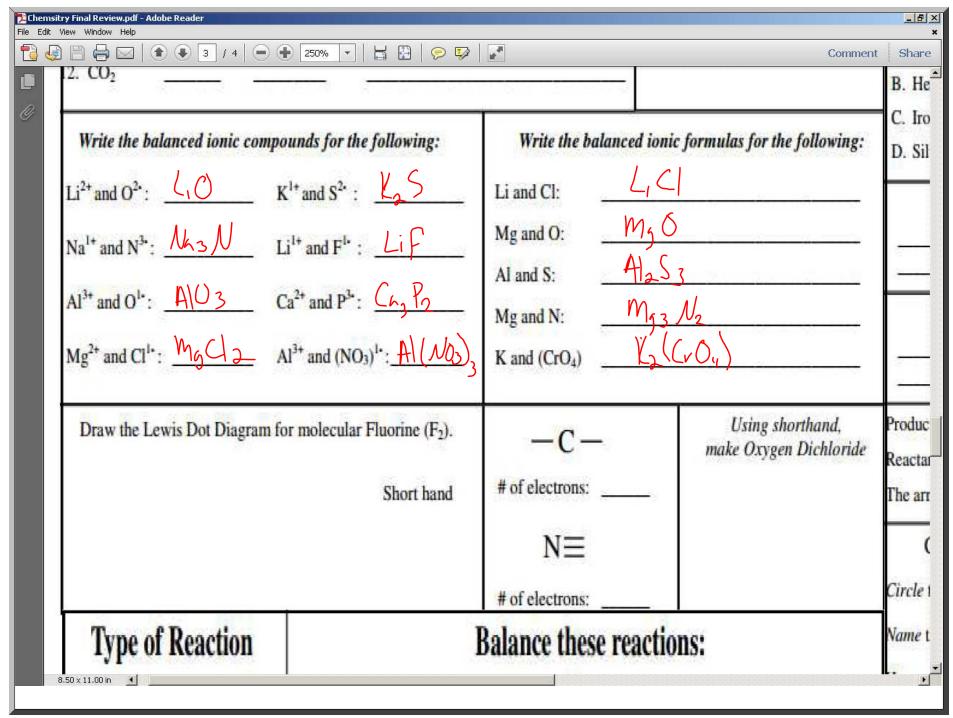
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ts with oxidation # in ion notation Boron Bromine Potassium Hydrogen	Sulfur () is in row Argon has complete electron levels and valence electrons in level Draw 3 different Lewis Dot Diagrams for Aluminum.	
toms in Al ₂ O ₃ ? toms in MgCl ₂ ? toms in Na ₃ N? toms in Li(NO ₃)?	Use Electron Arrows to Combine Magnesium and Fluorine	
ons will be gained or lost by: Ar Br Ca H	- 119 -> + - F MgF2	

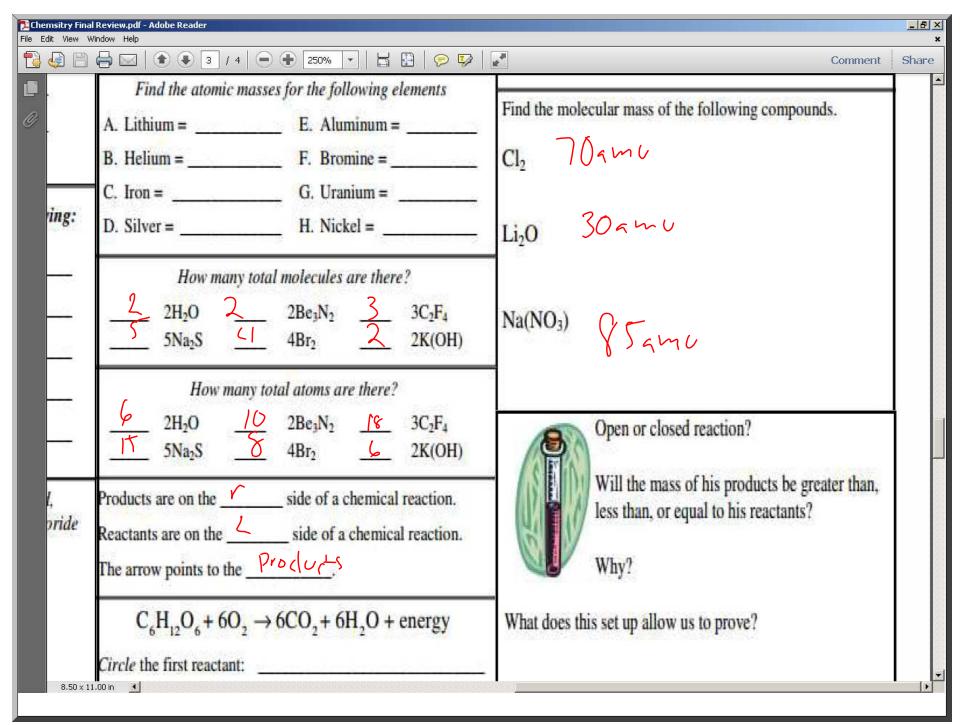


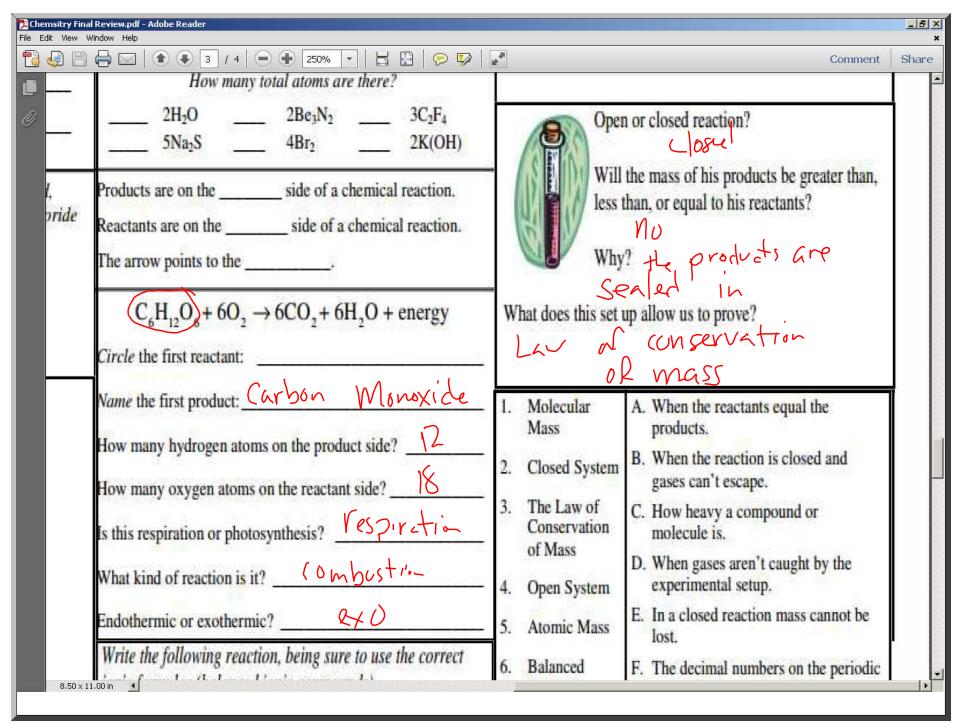


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Argon () Magnesium () Nickel ()	5. Endothermic	of a chemical reaction. 5. Precipitate chemical form 6. Subscript F. When a liquid solid was form
Give the total charge Ca ²⁺ Ca ²⁺ O ²⁻ Mg ²⁺ F ¹⁻ Na ¹⁺ F ¹⁻ Al ³⁺ S ²⁻ Al ³⁺ O ²⁻ Al ³⁺ O ²⁻ Al ³⁺ O ²⁻ Ca ²⁺ Ca ²⁺ O ²⁻ Ca ²⁺	Endothermic or Exother Two chemicals are mixed and Heat goes into the reaction? Nan activated cold pack? Two chemicals are mixed and Combustion? Heat comes out of a reaction? An activated heat pack?	Bubbles are formed. Melting Gets cold Color changes Boiling Digestion Bubbles are formed. Helting Bubbles are formed. Helting Bubbles are formed. Billing Bubbles are formed. Billing Bubbles are formed. Billing
Mg ²⁺ (NO ₃) ¹ ·	B. Helium =	following elements luminum = $\frac{27}{80}$ romine = $\frac{80}{238}$ ickel = $\frac{238}{238}$ Find the molecular mass of the following the following elements Cl_2 Cl_2

	reaction 5. Endothermic 6. Reactants	E. The result of a chemical reaction. F. No new chemicals are formed.	5. Precipitate 6. Subscript	chemical formula. F. When a liquid turns cloudy. Means a solid was formed.
	Two chemic Heat goes in An activated Two chemics Combustion	als are mixed and get cold? Out of a reaction?	Che Bubbles are for Melting Gets cold Color changes Boiling Changes temp Chewing	Photosynthesis Changes smell Dissolving Salt
ing:	200 (80/080)	THE ACT OF THE PERSON OF THE P	Find the molecular Cl ₂	mass of the following compounds.







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	Al ³⁺ and Ol ⁺ : Mg ²⁺ and Cl ¹⁺ :		Mg and N: K and (CrO ₄)		
	Draw the Lewis Dot Diagram	short hand	-C- # of electrons: N≡ # of electrons:	Using shorthand, make Oxygen Dichloride	Product Reactan The arro C
	Type of Reaction		Balance these reaction Ca(CrO ₄) → Ca		Name the How mands How mands Is this re What ki Endothe

