Lesson 4: Ionic Compounds	
 Electrically neutral (no charge) 	
 A cation (+ charge) joins with an anion (- ch A metal ion and a non-metal ion 	arge)
 A metai ion and a non-metai ion Total number of electrons released equals to 	
 All ionic compounds are solids at room ten 	-
 Has to be in the lowest ratio 	perature
Steps for Writing Ionic Compounds:	
 Identify the ions and their charges. (per 	iodic table)
Determine the total charges needed to b	
Note the ratio of cations to anions.	
Use subscripts to write the formula, if ne	eded.
- id	2
Examples	5
1. Write the correct name and chemical formula f	or the following
	AgI (g) / Solid
a) silver and iodine silver iodide.	
2+	2 S (2) - S (2)
b) magnesium and oxygen Maquolum Oy	
2~ _ Tagnolum 0	1 9 - (3)
Icm (2,3) calcium and nitrogen Calcium nitr	ide $(a_3 N_2(5))$
Icm (2,3) 6+ 6+	
d) zinc and selenium ZINC selenid	e ZnSe(s)
e) aluminium and	21 -(3)
nuorine I- aluminium Flue	ride AlF3(5)
+	/ (1 5 (3)
chlorine – Potassium chl	oride KCLISS
g) silver and oxygen Silver Oxide	$Aq_2O(5)$

MgCI ₂	Magneoium chloride
CsF	Cesium fluoride
CdO	Cadmium Oxide
MgBr ₂	Magneoium bromide
ζ₂S	potassium sulfide
Li _s P	lithium phosphide.
nework:	Norksheet
ework:	Vorksheet