covalent covalent ctron dot stru b. e the followin		e. oth f. the following eler	Ca3(PO4)2_1 P4O6_ COVON	both
b. e the following	uctures for each of t	the following eler		<u>n+</u> _
b. e the followin	Ca c. O		nents:	
e the following		d. P		
		u. 1	e. Li	f. F
-!-/!			Ion	e dot structure
ain/lose e	# of e ⁻ gained/lost	Charge on ion	Formula	of ion
gains	2	-2	Se ²⁻	: Se : 2-
loses	2	+2	Ca2+	Ca 2+
gains	2	-2	02-	:0: 2-
gains	3	- 3	P3-	° P. 3-
105es	1	+1	Lit	L; +
gains	1	~)	F-	oFo-
+2e>	5e2-	d.	,	
12e 7 0	,2-	f.	F+1=- >	F-
formation of	the ionic compound	s below using do	t structures. I	nclude the charge
	h	AIN 12		
Lio -Cla		A)	·N3	
CI-		•	9 . 6	
4:5: -2	d.	Li ₃ N	3	
~°°		Li-	7	
	f.	Al ₂ S ₃ (B)	000 00	· (2) : (2)
CI:		Ale	300 100	7:00
	gains gains loses gains equation for Example: +2e	gains $\frac{1}{2}$ gains $\frac{1}{3}$ loses $\frac{1}{3}$ equation for the ionization of ea Example: Mg \longrightarrow Mg ²⁺ $+2e^{-} \rightarrow 5e^{2-}$ $+2e^{-} \rightarrow 6e^{2-}$ formation of the ionic compound $\frac{1}{3}e^{-}$ e^{-}	gains $\frac{1}{2}$ $\frac{-2}{3}$ gains $\frac{1}{3}$ $\frac{-3}{4}$ equation for the ionization of each of the element Example: Mg \longrightarrow Mg ²⁺ + 2 e ⁻¹ $\frac{1}{2}$ 1	gains $\frac{1}{3}$

Cao - iN: