Ions and Ionic Compounds Worksheet

	ach of the follo			e bonding contair e.	ns ionic, cova Ca ₃ (PO ₄) ₂		
b. SO ₃							
2. Write	electron dot st	ructures f	or each of	the following eler	nents:		
a. S	a. Se b		c. O	d. P e. Li		f. F	
3. Comp	plete the follow	ing table:		T	1		
Atom	Gain/lose e	# of e ⁻ gained/los		Charge on ion	lon Formula	e ⁻ dot structure of ion	
Se	gains	2		-2	Se ²⁻	: Se : ²⁻	
Ca							
0							
Р							
Li							
F							
4 Write	an aquation fo	r the ioni-	ration of an	oh of the clamon	to in problem	. #2	
4. Write	· ·		.auon or ea → Mg²+	ch of the elemen + 2 e	ts in problem	ı #3.	
a.		9	,g	d.			
b.	b.			e.			
C.				f.			
_	he formation o	f the ionic	compound	ls below using do	ot structures.	Include the cha	rge of th
ion. a. LiCl				b. AlN			
c. CaS			d	Li ₃ N			
c. Cas			u.	Li31V			
e. CaCl ₂	CaCl ₂			Al_2S_3			
g. Ca ₃ N ₂			h.	AlCl ₃			