Chemistry		Name		
Review Sheet: Ior	nic Bonding			_
1 The force hold	ling atoms together in	a molecule is a chemica	al	
			gvalence electrons.	
3. An ionic bond	forms when electrons	are	Valence electrons.	
		ons are		
5. The strongest	type of bond is a(n)	bond	<del></del> -	
6. The attraction	a bonded atom has for	or electrons is called the	·	
7. Electronegativ	itv	as you move down a	column and it	as
	right across a period.	,		•
•	•	and a		
			ions called	
			ions called	
			nd negative ions are	
than their parent		·		
12. Ionic bonds f	rom because opposite	charges	:	
13. Ionic compou	unds tend to be hard,	crystalline	, have melt	ing
points, be soluble	e in	_ and	electricity in aqueous solutions.	
14 Identify the c	hargo for alamonts in	anch of the following gr	ounce	
1A	_	each of the following gr		
5A			4A 8A	
	UA	/A	оА	
15.	eleme	nts tend to form ions th	nat may have more than one positive	
charge.			, , , , , , , , , , , , , , , , , , , ,	
•	g chemical formulas, t	he charges must add up	to .	
		written first in a correct		
			and indicates the number	of
	present in the compo			
	•	types of atoms.		
			is changed to	
		out sodium and oxygen.		
			m of sodium?	
			m of oxygen?	
			ctrons?	
		n ion have?		
		ion have?		
		sodium ion have?		
g. How n	nany electrons will the	e oxygen ion have?		
h. How n	nany sodium ions will	be needed to form a sta	able compound with oxygen?	
i. What i	s the formula for the c	compound that forms fro	om sodium and oxygen?	
			these elements?	
22. How many at	oms of each element	are present in a molecu	le of Al <sub>2</sub> (SO <sub>4</sub> ) <sub>3</sub> ?	
23. What is the %	6 composition of the c	ompound in #21?		
24. Percent com	position is an	pro	perty.	