## **Exercise 11.2 Naming Ionic Compounds Containing Oxoanions**

1.	between oxoanion (and oxoacid) names. Note that you will have to memorize the "ate" oxoanions (nitrate, sulfate, phosphate, carbonate and chlorate) or learn them unconsciously by practicing a lot; there is no way around that.  Fill in the blanks in the statements below. Remember to include all non-zero charges!			
(a)	The sulfate ion is	therefore t	he sulfite ion is	
(b)	The nitrate ion is	therefore the nitrite ion is		
(c)	The chlorate ion ishypchlorite ion is	therefore the chlorite ion isand		
(d)	The chlorate ion is	therefore the bromate ion is		•
(e)	The bromate ion is	therefore the perbromate ion is		•
(f)	The carbonate ion is carbonic acid is	therefore hydrogen carbonate is a		
(g)	The sulfate ion is	therefore hydrogen sulfate is		and sulfurio
(h)	The sulfite ion is	therefore hydrogen sulfite is and sulfurous		
(i)	The phosphate ion is	therefore phosphoric acid is		
(j)	The phosphite ion is therefore phosphorous acid is			
2.	Name each of the following	g compounds:		
(a)	FeSO <sub>3</sub>	(b)	$Ca(NO_2)_2$	
(c)	Cr(ClO <sub>4</sub> ) <sub>3</sub>	(d)	LiHCO <sub>3</sub>	
3.	Give the formula for each of the following compounds:			
(a)	cobalt(II) carbonate	(b)	sodium hypchlorite	
(c)	scandium(III) sulfate	(d)	notassium dihydrogen phosphate	