## Year 11 Chemistry Checkup Ionic Solubilities and Equations 2

1.	Write the symbol and charge for the follow	ving ions:
(a)	cadmium	(c) silver
(b)	nitride	(d) bicarbonate
2.	Write the following as formulae and indicating insoluble in water.	ate whether or not each will be soluble, partially soluble,
(a)	copper phosphate	(d) nickel iodide
(b)	ammonium sulphate	(e) tin (II) nitrate
(c)	potassium sulfide	(f) mercury carbonate
<i>3</i> .		pitate with fluoride and hydroxide but not with chromate kely to be, and give reasons. Assume that in this experimentation is experimentate.
4.	For each reaction, write:  (i) A chemical equation  (ii) An ionic equation  (iii) A balanced net ionic equation  (a) zinc chloride solution plus sodium carl	ponate solution
_	(b) chromium nitrate solution plus ammor	ium hydroxide solution
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## **BONUS QUESTIONS**

ts is the triiodide ion, $I_3$ . Explain whether this is a <b>monatomic</b> or <b>polyatomic</b> sual, using NaI <sub>3</sub> as an example.
in water by dissociation, whereas covalent substances dissolve by ionisation. f <b>dissociation</b> and <b>ionisation</b> , and give an example of each.
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