		Na	ame:ate:	
AP Che	emist	stry: <i>Precipitate Reactions and Net Ionic Equation</i> s	ate:	_ Score/ 5
For each	proble	plem below, write the equation and show your work. Always use ur	nits and box in your	final answer.
1. l	Using solubility guidelines, predict whether each of the following compounds is soluble or insoluble in			
V	water:	:		
	a.	. NiCl <sub>2</sub>		
	b.	. Ag <sub>2</sub> S		
	c.	. CsPO <sub>4</sub>		
	d.	. SrCO <sub>3</sub>		
	e.	. (NH <sub>4</sub> ) <sub>2</sub> SO <sub>4</sub>		
	Will precipitation occur when the following solutions are mixed? If so, write a balanced chemical equation for the reaction:			
	a.	. Na <sub>2</sub> CO <sub>3</sub> and AgNO <sub>3</sub>		
	b.	. NaOH and K <sub>2</sub> SO <sub>4</sub>		
	c.	. FeSO <sub>4</sub> and Pb(NO <sub>3</sub> ) <sub>2</sub>		

3. Write the balanced complete ionic equations and net ionic equations for the reactions that occur when each

of the following solutions are mixed.

a. Na<sub>2</sub>CO<sub>3</sub> (aq) and MgSO<sub>4</sub> (aq)

