Name			Block:	Date:		
			Inte	Chemistry 12 RO TO SOLUI		
1.		ecide whether each of the OLECULAR (M) solution	•	substances is exp	ected to form an	IONIC (I) or
	a)	RbBr(s)	e)	HNO <sub>3</sub> (1)	i)	ICl(s)
	b)	CsNO <sub>3</sub> (s)	f)	CHCl <sub>3</sub> (l)	j)	CH <sub>4</sub> (g)
	c)	S <sub>8</sub> (s)	g)	CuSO <sub>4</sub> (s)	-	
	d)	NaCH <sub>3</sub> COO(s)	h)	CrCl <sub>3</sub> (s)		
2.	Write equations to show the <b>dissolving</b> of the following substances in water.					
	a)	(NH <sub>4</sub> ) <sub>2</sub> SO <sub>4</sub> (s)				
	b)	CH <sub>3</sub> CH <sub>2</sub> OH(1)				
	c)	K <sub>2</sub> CO <sub>3</sub> (s)				
	d)	CaCl <sub>2</sub> (s)				
3.	Write equations for the equilibrium reaction existing in each of the following saturated aqueous solutions					
	a)	K <sub>3</sub> PO <sub>4</sub>				
	b)	NH <sub>4</sub> Cl				
	c)	Al(NO <sub>3</sub> ) <sub>3</sub>				
4.	W	rite the <b>crystallization r</b>	eaction inv	volving MgBr <sub>2</sub> (s).		
5.	W	rite the <b>dissolving react</b>	<b>ion</b> involvi	ng C <sub>6</sub> H <sub>12</sub> O <sub>6</sub> (s).		

- 6. A flask contains a saturated solution of NaCl in water. You carefully pour off 100 mL of the solution, taking care to not let any crystals of salt fall into the new container. Is the salt solution in the new container saturated? Why?
- 7. A student half-filled a 100 mL beaker with water and added a few grams of NaCl crystals. Seeing the crystals settle immediately to the bottom of the beaker, the student said the solution was saturated because some undissolved solid was present. Was the student correct? Why?