Name:			Date:			HURBAN HASSEMBLY	
	Chemistry ~ Ms. Hart	Class:	Anions	or	Cations	SCHOOL FOR CRIMINAL JUSTICE	
	8.3	3 Classwork					
1.	Which ion, when combined with chloride ions, Cl^{-} , forms an insoluble substance in water? (1) Fe^{2+} (2) Mg^{2+} (3) Pb^{2+} (4) Zn^{2+}		4.	 4. According to Reference Table F, which of these compounds is the least soluble in water? (1) K₂CO₃ (2) KC₂H₃O₂ (3) Ca₃(PO₄)₂ (4) Ca(NO₃)₂ 			
	According to Table F, which of these salts is least soluble in water? (1) LiCl (2) RbCl (3) FeCl ₂ (4) PbCl ₂ Which compound is insoluble in water? (1) BaSO ₄ (2) CaCrO ₄ (3) KClO ₃ (4) Na ₂ S			At standard pressure, a certain compound has a low boiling point and is insoluble in water. At STP, this compound most likely exists as (1) ionic crystals (2) metallic crystals (3) nonpolar molecules (4) polar molecules (4) polar molecules (1) sodium nitrate (2) magnesium carbonate (3) silver chloride			
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	_	Classwork				JUSTICE	
1.	Which ion, when combined with Cl ⁻ , forms an insoluble substant (1) Fe ²⁺ (2) Mg ²⁺ (3) Pb ²⁺ (4) Zn ²⁺	th chloride ions,	4.			$)_2$	
2.	According to Table F, which of these salts is <i>least</i> soluble in water? (1) LiCl (2) RbCl (3) FeCl ₂ (4) PbCl ₂		5.	 At standard pressure, a certain compound has a low boiling point and is insoluble in water. At STP, this compound most likely exists as ionic crystals metallic crystals nonpolar molecules polar molecules 			
3.	Which compound is insoluble in water? (1) BaSO ₄ (2) CaCrO ₄ (3) KClO ₃ (4) Na ₂ S		6.	Based on Reference Table F, which of these salts is the best electrolyte? (1) sodium nitrate (2) magnesium carbonate (3) silver chloride (4) barium sulfate			

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Which barium salt is insoluble in water? (1) BaCO ₃ (2) BaCl ₂ (3) Ba(ClO ₄) ₂ (4) Ba(NO ₃) ₂	10. Based on Reference Table F, describe the solubility of magnesium hydroxide in water.
Based on Reference Table F, which of these saturated solutions has the lowest concentration of dissolved ions? (1) NaCl(aq) (2) MgCl ₂ (aq) (3) NiCl ₂ (aq) (4) AgCl(aq)	
At STP, which of these substances is most soluble in H_2O ? (1) CCl_4 (2) CO_2 (3) HCl (4) N_2	11. Based on Reference Table F, describe the solubility of zinc sulfide in water.
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