Name:			I	Date:	HURBAN HASSEMBLY
	Chemistry ~ Ms. Hart	Class:	Anions	or Cations	SCHOOL FOR CRIMINAL JUSTICE
	8.3	Classwork			
1.	 Which ion, when combined wi Cl⁻, forms an insoluble substant (1) Fe²⁺ (2) Mg²⁺ (3) Pb²⁺ (4) Zn²⁺ 		4.		2
2.	According to Table F, which of <i>least</i> soluble in water? (1) LiCl (2) RbCl (3) FeCl ₂ (4) PbCl ₂		5-	a low boiling poi	crystals r molecules
3.	 Which compound is insoluble (1) BaSO₄ (2) CaCrO₄ (3) KClO₃ (4) Na₂S 	in water?	6.	salts is the best of (1) sodium r	nitrate um carbonate loride

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2.	According to Table F, which o	of these salts is		5. At	standard p	ressure, a certain compound has

- *least* soluble in water?
 - (1) LiCl
 - (2) RbCl
 - (3) FeCl₂
 - (4) $PbCl_2$
- 3. Which compound is insoluble in water?
 - (1) BaSO₄
 - (2) $CaCrO_4$
 - (3) $KClO_3$
 - $(4) Na_2S$

-

- S 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
- 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

- 7. Which barium salt is insoluble in water?
 - (1) $BaCO_3$
 - (2) $BaCl_2$
 - (3) $Ba(ClO_4)_2$
 - (4) $Ba(NO_3)_2$
- 8. 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)
- 9. At STP, which of these substances is most soluble in H_2O ?
 - (1) CCl₄
 - (2) CO_2
 - (3) HCl
 - (4) N_2

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10. Based on Reference Table F, describe the solubility of magnesium hydroxide in water.

11. Based on Reference Table F, describe the solubility of zinc sulfide in water.

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