Name:		
Blk:	_Date:	

Chemistry 12 Solubility Lesson #1 A Review of SOLUBILITY

THE SOLUBILITY OF SALTS:	
A salt is defined as ancompound which c as an ARRHENIUS(compounds that begin ARRHENIUS(compounds that end with "	n with "") or an
An IONIC compound is one that is made up of a, whereas a MOLECULAR compound is o	and a one that is made up of
GENERAL RULES FOR DISTINGUISHING BETWEEN MOLECULAR COMPOUND:	N AN IONIC AND
1. "IONIC" – a. metal + non-metal b. polyatomic metal + non-metal c. metal + polyatomic non – metal d. polyatomic metal + polyatomic non-metal	Ex.
2. "MOLECULAR" - a. non-metal + non-metal b. ORGANIC compounds	Ex.
 An ionic compound will undergo 100 % DISSOCIATION water, whereas a molecular compound will not. IONIC:	when placed in
MOLECULAR:	
Ionic compounds are therefore classified as conduct an electric current. While molecular compounds(as they DO NOT conduct an electric current.	are classified as
THE FOLLOWING ARE A LIST OF IMPORTANT TERMS	USED IN THIS UNIT:
SOLUBILITY is defined as	
SATURATED SOLUTION	
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MOLAR SOLUBILITY is used to express the solubility of a substance in terms of
SOLUBILITY can also be expressed in the terms of
IN ORDER FOR A SOLUTION TO BE CONSIDERED SATURATED : 1.
2.
A Saturated solution is expressed as an EQUILIBRIUM between the undissolved solid and it's component ions:
You can break down the above EQUILIBRIUM EQUATION to show the two individual reactions:
1. THE FORWARD REACTION (THE DISSOLVING REACTION)
2. THE REVERSE REACTION (THE CRYSTALLLIZATION REACTION)

SEATWORK/HOMEWORK: Exercises 1 – 7 pgs 74 + 76 in HEBDEN PLO's : G1- G4 + G6