JameSolubility	y Curves	
1. Which compound is least soluble in water at 60. °C? A) KClO ₃ B) KNO ₃ C) NaCl D) NH ₄ Cl	1	
2. An unsaturated aqueous solution of NH ₃ is at 90°C in 100. grams of water. According to Reference Table G, how many grams of NH ₃ could this unsaturated solution contain?		
A) 5 g B) 10. g C) 15 g D) 20. g 3. According to your Reference Tables, which substance forms an unsaturated solution when 80 grams of the substance is dissolved in 100 grams of H ₂ O at 10°C? A) KI B) KNO ₃ C) NaNO ₃ D) NaCl 4. According to Reference Table G, which of these substances is most soluble at 60°C? A) NaCl B) KCl C) KClO ₃ D) NH ₄ Cl 5. According to Reference Table G, how many grams of KNO ₃ would be needed to		
saturate 200 grams of water at 70°C? A) 43 g B) 86 g C) 134 g D) 268 g 6. Based on Reference Table G, what change will cause the solubility of KNO3(s) to increase? A) decreasing the pressure B) increasing the pressure C) decreasing the temperature D) increasing the temperature	C) NH4Cl D) KCl 10. Based on Reference Table G, which of the following substances is most soluble at 50°C? A) KClO3 B) NH3 C) NaCl D) NH4Cl 11. Which compound becomes less soluble in water as the temperature of the solution is increased? A) HCl B) KCl C) NaCl D) NH4Cl	

solution of salt X? A) A B) B C) C D) D 14. According to Reference Table G, which the following substances is least soluble 100 grams of water at 50°C? A) NaCl B) KCl C) NH4Cl D) HCl	12. According to Reference Table G, what is the approximate difference between the amounts of KClO ₃ and KNO ₃ soluble in 100 grams of water at 40°C?		13. Base your answer to the following question on the diagram below which represents the solubility curve of salt X. The four points on the diagram represent four	
Temperature ° C. Which point represents the most concentrate solution of salt X? A) A B) B C) C D) D 14. According to Reference Table G, which the following substances is least soluble 100 grams of water at 50°C? A) NaCl B) KCl C) NH4Cl D) HCl 15. Which compound decreases in solubility the temperature of the solution is increased from 10°C to 50°C?	A) 17 g	B) 22 g		lt X.
14. According to Reference Table G, which the following substances is least soluble 100 grams of water at 50°C? A) NaCl B) KCl C) NH4Cl D) HCl 15. Which compound decreases in solubility the temperature of the solution is increased from 10°C to 50°C?	C) 47 g D) 64 g	Temperature ° C. Which point represents the most concentrated		
the following substances is least soluble 100 grams of water at 50°C? A) NaCl B) KCl C) NH4Cl D) HCl 15. Which compound decreases in solubility the temperature of the solution is increased from 10°C to 50°C?			A) A B) B	C) C D) D
C) NH4Cl D) HCl —— 15. Which compound decreases in solubility the temperature of the solution is increased from 10°C to 50°C?			14. According to Reference Table G, which of the following substances is least soluble in 100 grams of water at 50°C?	
15. Which compound decreases in solubility the temperature of the solution is increased from 10°C to 50°C?			A) NaCl	B) KCl
the temperature of the solution is increased from 10°C to 50°C?			C) NH4Cl	D) HCl
A) NH4Cl B) NaCl			·	
			A) NH4Cl	B) NaCl
C) NH ₃ D) NaNO ₃			C) NH ₃	D) NaNO3