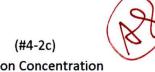
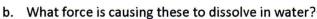
Solution Concentration

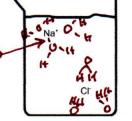


- What factors could a person change in order to make a liquid a solid or a gas?
 - a) Temo b) Pressure
- 2. Answer the following questions relative to solubility of the beaker →
 - a. There is 1 example water molecule to the right, add 6 of these to the picture showing correct position to facilitate dissolving?





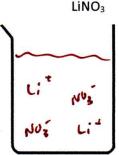
Label this force on the picture. *



8

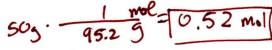
3. Draw a picture in the beakers below of 2 dissolving particles.







- What is the difference between each substance dissolving relative to bond type? Covalent Ionic. -
- 5. How many Clions are floating around in the solution? (105 Beater)
- How many Cl⁻ ions would be floating around if 100 MgCl₂ particles were dissolved? 200
- 7. 50 grams of MgCl₂ dissolved in 50mL of water



- a. How many moles of MgCl₂ are present?
 - b. How many moles of Cl ions are present?
- .0,52. 2 C1 = 1.04 mol C1
 - c. What is the concentration(M) of the MgCl₂
 - 0.52/.05L = [6.5 M] 1.04/.05L = 21 M d. What is the concentration (M) of Cl ions?
- 8. A person adds another 50mL of pure water to the beaker in Question 7?
 - By what factor was the volume increased? × 2
 - b. What is the new concentration of the MgCl₂? .0.52/.1 = 5.25 (2013)
- A beaker of 50mL 0.5M Mg₃(PO₄)₂ The concentration of Mg²⁺ = 1.5 MPO₄⁻³ = 1.0 M
 - 10. Additional 50mL of water is added to the solution.

