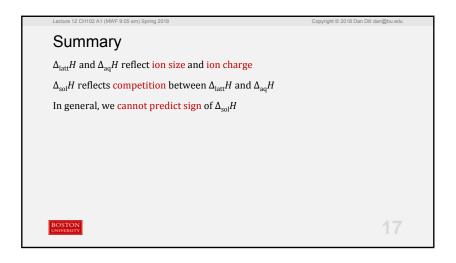


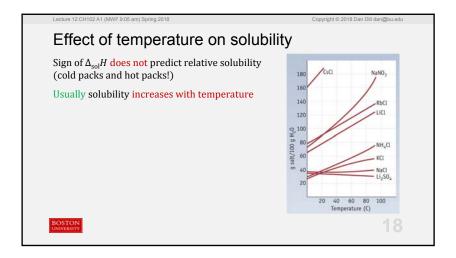
[Quiz] Based on Coulomb's law, which of the following has the largest magnitude enthalpy of change of solution, |\Delta_{sol}H|?

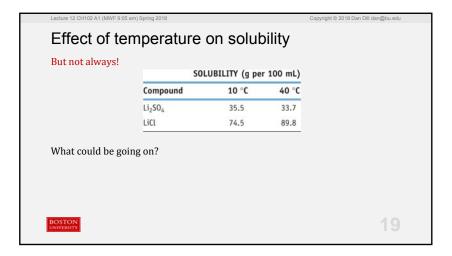
0% 1. MgCO₃

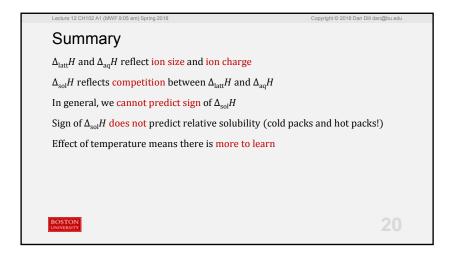
0% 2. MgS

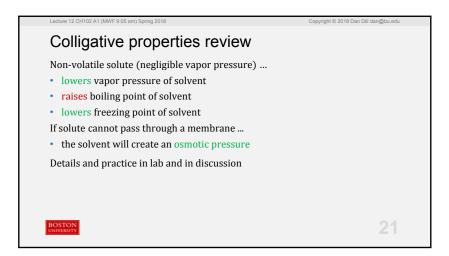
0% 3. More information needed











[TP] A non-volatile solute lowers the vapor pressure of the solvent. This in turn means the boiling point of the solvent must increase. Why? Because ...

0% 1. higher temperature is necessary to evaporate the solute
0% 2. the solute particles stick to the solvent particles, analogous to van der Waals a
0% 3. at the normal boiling point the vapor pressure of the solvent will be too low
0% 4. the solute vapor pressure is so low
0% 5. Some other reason

[TP] The vapor pressure of water at 32 °C is 4.76 kPa. A glass of water is sealed in a 1.00 L container filled with air at 32 °C. After the water comes to equilibrium with the air in the container, the total pressure is 1 bar and there is 500. g of liquid water in the glass, and the partial pressure of water vapor in the container is ...

0% 1. less that 4.76 kPa
0% 2. 4.76 kPa
0% 3. more than 4.76 kPa
0% 4. Further information required

