

Topics for Discussion Quiz on November 20

CHM-101-A
Fall 2006

End-of-Chapter Problems possible on this quiz:

11.20, 11.26, 11.40, 11.96, 11.100

Topics:

solution formation in terms of overcoming and forming intermolecular forces

the role of *energy* and *entropy* in solution formation

predict relative solubilities using “like-dissolves-like”

unsaturated, *Saturated*, and *supersaturated* solutions

solubility calculations

effect of pressure and temperature on gas solubility

colligative properties

effect of concentration of solute on vapor pressure, boiling point, freezing point (melting point), and osmotic pressure change

Topics for Discussion Quiz on November 27 - 30

CHM-101-A
Fall 2006

End-of-Chapter Problems possible on this quiz:

12.6, 12.24, 12.52, 12.62, 12.94

Topics:

factors that affect the rate of a chemical reaction

catalyst and its role in a chemical reaction

equilibrium and rates of forward and reverse reactions

equilibrium and the amounts of reactants and products

Le Chatelier's principle