Name _	Key

Solutions Review Sheet Quantitative Chemistry

For the problems, be sure to show your work, and use significant figures!

1. Define the following in your own words:

a. Solution -

e. Saturated –

b. Solute -

f. Unsaturated –

c. Solvent –

g. Concentrated –

d. Soluble -

h. Dilute -

2. Complete the chart below related to the compounds and their solubility in water

Compound	Type of Bond (Ionic, PC, NPC)	Is it soluble in water?
NaCl		
C_8H_{18}		
CH₂O		:

3. Complete the table with the following equations. Know these!

Percent by Mass	Percent by Volume
Molarity	Dilution

4. Drugstores sell 3.00% hydrogen peroxide solutions. If you purchase a bottle with a mass of 250. grams, how many grams of hydrogen peroxide are in the bottle?

mass % = mass solute x 100% = A = B x 100 = B = AC 100]

mass solute = (mass lo) (mass solv) (3.00%) (250.g) = 7.50% H202

100%