## Guided Reading Chapter 21 Section 2

1.	Name an example of a solution of a solid, a liquid, and a gas.								
2.	Muddy wa								
	a) suspension		o) colloid	c) solution					
3.	An example of a colloid would be								
4.	A method known as thesolution.			distinguishes a colloid from a					
5.	Complete the following data table which compares different properties of solutions, colloids, and suspensions.								
		Size of particles	Settling of particles?	Does filtering work?	Scatter light?				
Solution			no						
Colloid		1 -1000 nm							
				yes	Yes, if translucent				
6. What is the difference between a solvent and a solute?									
7.	. Two important influences of dissolving a solute in a solution are temperature and								
8.	describes the amount of solute that can be dissolved in a solvent.								
	a) Insolubility b		) Solubility	c) Dissociation					
9.		lissolve.							
a) Saturated		red b	o) Soluble	c) Insoluble					
10	10. Which substance on Table 21.2 is insoluble?								

11. Which substance on Table 21.2 has solubility greater than 100 but less than 250 grams per 100 ml  $H_2O$  at 20° C?

12. Which solute, on the Temperature - Solubility Graph for salts seems to have the most change due to an increase in temperature?										
	13. The concentration of a solution is expressed as the amount of to the amount of									
	a)	Solvent, solute								
	b) Moles, mass									
	c)	Solute, solvent								
14. In chemistry, it is most common to express concentration using										
15. Copy the formula used to calculate the mass percent of a solution.										
16. What are some units used when referring to very small amounts of a solution?										
17 is when the rate of dissolving equals the rate of precipitating.										
a)	Supers	aturation	b) Unsaturation	c) Equilibrium						
18. Th	s. The solubility of a gas when an increase in pressure occurs.									
a)	decrea	ises	b) increases	c) has no effect						
19. How is solubility of a gas affected when an increase in temperature occurs?										
20. Using the "Solubility Rules", predict whether CaCl₂ is soluble.										