~~Water and Solutions~~

Chapter 9.1 Questions Page 187

1. (Page 180) Explain

2. (P. 181) Just list
   Solution solvent solute(s)
   a. Salt water
   b. Seltzer
   c. Lemonade

4. (P 181) Answer with a sentence

7. (P. 183) Salt _____g Water _____g
   Describe how to make solution
   show math

8. (P. 186) Explain answer with SEVERAL sentences.

Definitions:(copy these down- use 2 lines for each)

Solution: A mixture that is so well mixed the particles (solute) are evenly distributed, or dissolved into the liquid (solvent).

Concentration: The amount of substance found in a given amount of a solution or mixture. Often written in "parts per…." (parts per hundred, parts per million, etc)

DATA: For "Color," color with red pencil or write clear if no color

Cup	Color	Percent (%) Concentration	Parts per million
1	◯		
2	◯	multiply above percent by: x 0.1=	
3	◯	x 0.1=	
4	◯	x 0.1=	
5	◯	x 0.1=	
6	◯	x 0.1=	
7	◯	x 0.1=	
8	◯	x 0.1=	
9	◯	x 0.1=	

1. You can tell the _____ from how dark the color is.
2. If you add more solvent (water) the concentration becomes_____ or ___.
3. The solvent was _____ . The solute was _____. Together they made a ____.
4. When you add more water you are _____ing the solution
5. The cup that first appeared colorless was # ___ . That cup DID/DIDN'T still have food coloring in it.
6. Its concentration was ___ % or ___ ppm. If the solute was poison, would it be safe to drink from that cup? Explain.