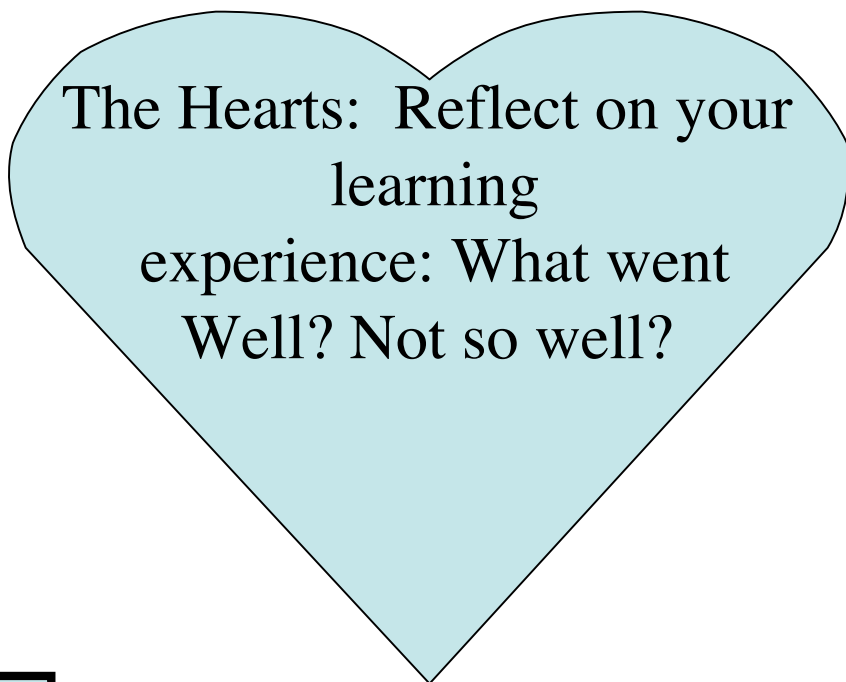


Analysis 2/10/11

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.



Parts Per Million 2/9/11

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)

Dilute: To add solvent (water) and make less concentrated

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

Cup	Color	Percent (%) Concentration	Parts per million
1	<input type="radio"/>		
2	<input type="radio"/>	multiply above percent by: x 0.1=	
3	<input type="radio"/>	x 0.1=	
4	<input type="radio"/>	x 0.1=	
5	<input type="radio"/>	x 0.1=	
6	<input type="radio"/>	x 0.1=	
7	<input type="radio"/>	x 0.1=	
8	<input type="radio"/>	x 0.1=	
9	<input type="radio"/>	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 _____.