# 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.

The Hearts: Reflect on your learning experience: What went Well? Not so well?



# 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 | ◯ | | |
| 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 ____.