Name:_____

Per:____

Chemical Formula/Solubility Lab

II. Purpose: To study the formation of simple ionic compounds and the solubility of these products.

III. Procedure: Obtain and rinse a microwell tray. Pick a group of dissolved salts. For each bottle, enter the ion ***types*** in the spaces provided. After entering all the ions in the table, react all the possible combinations in the microwell tray. Record your observations....did a precipitate form? Rinse the microwell tray and repeat with the other set of salt solutions.

IV. Data

Group #:_____

	Cat / An	6	5	4	3	2
1	/					
2	/					
3	/					
4	/					
5	/					

Cat

An

Group #:_____

	Cat / An	6	5	4	3	2
1	/					
2	/					
3	/					
4	/					
5	/					

Cat

An

V. Calculations

Sol #'s	Reaction	Product	Name	Sol?	Precip

Sol #'s	Reaction	Product	Name	Sol?	Precip

VI. Conclusions

Discuss solubility, precipitation, and the generaltizations that can be made about which ions tend to be soluble or nonsoluble in water.