

Chem I

Name _____

Date _____ Per _____

Worksheet #C37: The Solubility Rules

Reference: Go to <http://web.acsalaska.net/~ray.depalatis/> and click on the yellow "Five Types of Reactions Review" button. That will take you to a great site called "Penn Manor Chemistry". Click on the blue "Rules" button to find the Solubility Rules.

A couple useful bits of information:

1. To say that something is "soluble" is the same as saying it will be "aqueous" in water, and is represented by the symbol (aq).

2. To say that something is "insoluble" is the same as saying it's "solid" in water, and is represented by the symbol (s). These never dissolve and if they're the product of a double displacement reaction they're the precipitate.

So see if you can figure out whether each of the following will be soluble in water (aq) or solid (insoluble) in water (s) from the rules on the web page:
(I've done #1 and #2 for you as examples.)

