

Name \_\_\_\_\_

Solubility Rules\_L

1. Classify each of the substances as being soluble or insoluble in water.

- a. potassium bromide S
- b. lead (II) carbonate I
- c. zinc hydroxide I
- d. sodium acetate S
- e. cadmium (II) sulfide I

- f.  $Mg_3(PO_4)_2$  I
- g. KOH S
- h.  $NiCl_2$  S
- i.  $Hg_2SO_4$  I
- j.  $PbI_2$  I

2. The following reactions take place in water. Fill in each parenthesis with aqueous (aq) or solid (s).

