

Name: \_\_\_\_\_

## Chemical Reactions Quiz #2

1. From the positions of the elements on the Periodic Table, predict the following:

(a) conduct electricity better: Ga or I



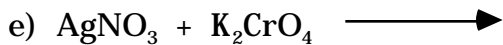
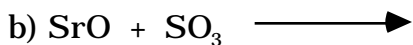
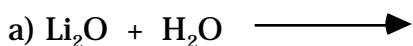
(b) oxidize sulfur better: Al or Cl

(c) be more easily reduced: O or N

(d) be more easily oxidized: Sr or Y

(e) be more basic:  $\text{Mg(OH)}_2$  or  $\text{Al(OH)}_3$

2. Complete and balance the following equations.



3. List the expected oxidation states of Ge