

Name: _____

Chemical Reactions Quiz #3

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

(a) conduct electricity better: Si or P

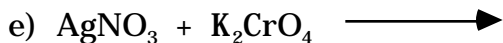
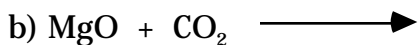
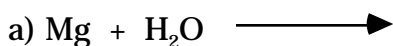
(b) reduce sulfur better: Al or Cl

(c) be more easily oxidized: O or N

(d) be more easily reduced: Sr or Y

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

2. Complete and balance the following equations.



3. List the expected oxidation states of element 114, which is listed in the Star Trek manual as Colladium (Ci).