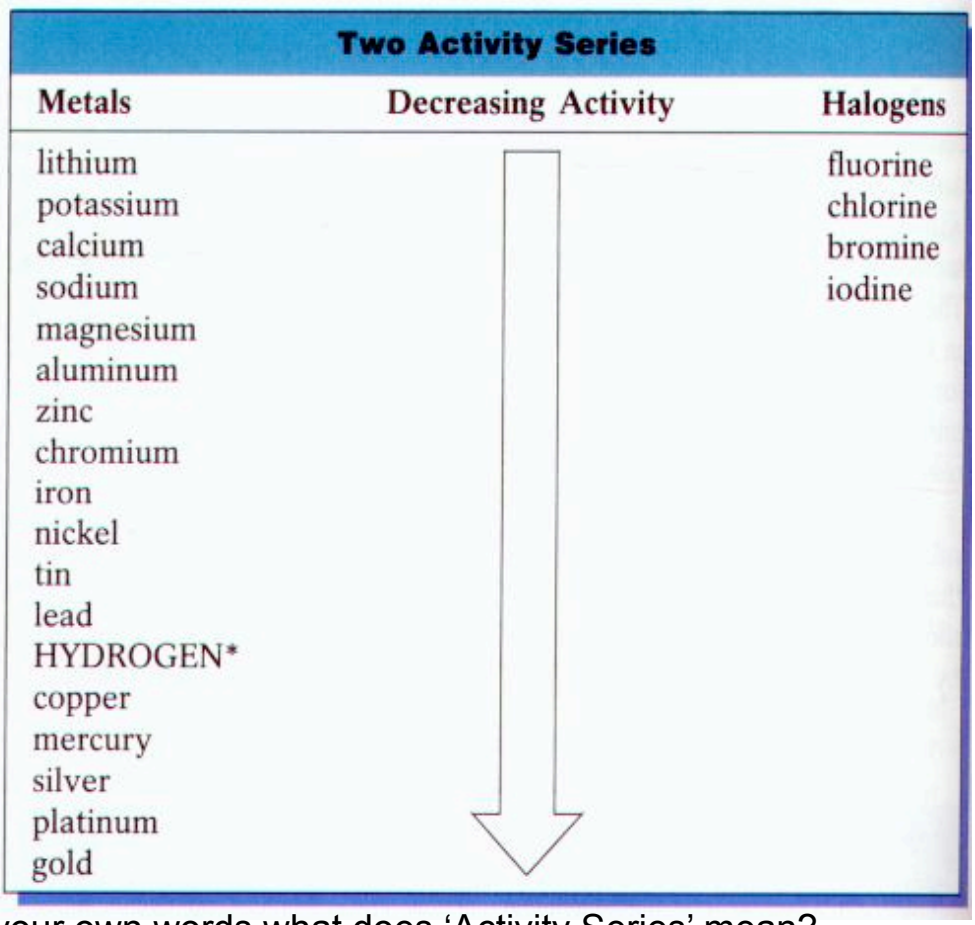

1. In your own words what does 'Activity Series' mean?

2. For each of the following, use the activity series to determine which single displacement reactions will proceed. For the reactions that do occur, predict the products and complete and balance the equation. Note reactions that do not occur with NR.
   a) $Zn_{(s)} + CuCl_{2(aq)} \rightarrow$

   b) $Br_{(s)} + CaCl_{2(aq)} \rightarrow$

   c) $Pb_{(s)} + 2HCl_{(aq)} \rightarrow$

   d) $I_{2(s)} + HCl_{(aq)} \rightarrow$

   e) $Au_{(s)} + ZnSO_{4(aq)} \rightarrow$

   f) $Sn_{(s)} + 2AgNO_{3(aq)} \rightarrow$

   g) $2Al_{(s)} + 3H_2O_{(l)} \rightarrow$

   h) $Al_{(s)} + ZnSO_{4(aq)} \rightarrow$