Mass – Mass Problems

Name:

Using the given mass, figure out the masses of the remaining products and reactants in the following chemical equations. Be sure the equations are balanced before you attempt the problem. Show your work to receive credit!
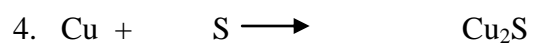
1. $H_2O_2 \longrightarrow \quad H_2O + \quad O_2$

   Given 128g O_2

2. $Pb(NO_3)_2 + \quad NaI \longrightarrow \quad PbI_2 + \quad NaNO_3$

   Given 50.0g NaI

3. $AgNO_3$ + Cu $\longrightarrow$ $Cu(NO_3)_2$ + Ag

Given 127g Cu

4. Cu + S $\longrightarrow$ Cu_2S

Given 32.0g S

5. Zn + HCl $\longrightarrow$ $ZnCl_2$ + H_2

Given 10.0g H_2