Name_____ Date Due _____

Balancing Equations/Formula Mass

1. **Balance these Equations**

$Mg + O_2 \rightarrow MgO$

$Zn + O_2 \rightarrow ZnO$

$H_2 + Cl_2 \rightarrow HCl$

$Fe_2O_3 + Al \rightarrow Fe + Al_2O_3$

$Cl_2 + Al \rightarrow AlCl_3$

$Mg + HCl \rightarrow MgCl_2 + H_2$

$CaCl_2 + KOH \rightarrow Ca(OH)_2 + KCl$

$K + H_2O \rightarrow KOH + H_2$

$Pb(NO_3)_2 \rightarrow PbO + NO_2 + O_2$

$H_2SO_4 + KOH \rightarrow K_2SO_4 + H_2O$
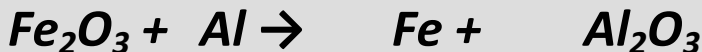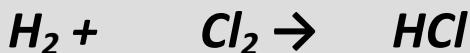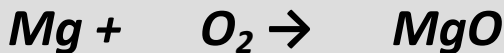
2. Using page 7 of the data booklet, calculate the formula mass in amu.

Mg = _____

MgO = _____

$MgCl_2$ = _____

$AlCl_3$ = _____

H_2O = _____

Fe_2O_3 = _____

$CaCl_2$ = _____

$Pb(NO_3)_2$ = _____

H_2SO_4 = _____

$Ca(OH)_2$ = _____