Balancing Completion Quiz #2

1. Complete each of the following synthesis reactions and balance:

- a) Mg + $N_2 \rightarrow$
- b) Na + S →
- c) $CO_2 + Na_2O \rightarrow$
- d) $NH_3 + HBr \rightarrow$
- e) MgO + CO_2 \rightarrow

2. Complete each of the following decomposition reactions and balance:

- a) $Fe_2O_3 \rightarrow$
- b) $AsCl_3 \rightarrow$
- c) $BaCO_3 \rightarrow$
- d) P_2O_5 \rightarrow
- e) $H_2S \rightarrow$

3. Complete each of the following single replacement reactions and balance:

- a) $Hg(ClO_3)_2 + Zn \rightarrow$
- b) CrO_3 + Al \rightarrow
- c) AgI + F_2 \rightarrow
- d) $Mg_3N_2 + Cl_2 \rightarrow$
- e) NiO + Fe →

4. Complete each of the following double replacement reaction and balance:

- a) $CdSO_4 + H_3PO_4 \rightarrow$
- b) $NH_4Cl + BaCO_3 \rightarrow$
- c) Au_2O_3 + PtC \rightarrow
- d) $Cr(CO_3)_3 + Bi(NO_3)_3 \rightarrow$