Balancing Chemical Equations

Determine if the chemical equation is balanced or unbalanced by counting the number of atoms on the reactant and product side. If an equation is unbalanced, balance the equation for extra points.

1. P4 + O2 → P2O5

2. 2C2H2 + O2 → CO2 + 2H2O

3. K2O + H2O → KOH

4. 2H2O2 → 2H2O + 2O2

5. SiO2 + 4HF → SiF4 + 2H2O

6. C + H2O → CO + H2

7. 2KClO3 → KCl + O2

8. 2H3AsO4 → As2O5 + 3H2O

9. KClO3 → KClO4 + KCl

10. P4O10 + H2O → H3PO4