Introduction to Balancing Equations

Balance the following chemical equations.

1. $Hg + O_2 \rightarrow HgO$
2. $H_2 + O_2 \rightarrow H_2O$
3. $Mg + O_2 \rightarrow MgO$
4. $O_2 + Cl_2 \rightarrow OCl_2$
5. $Al + F_2 \rightarrow AlF_3$
6. $KNO_3 \rightarrow KNO_2 + O_2$
7. $Zn + HCl \rightarrow ZnCl_2 + H_2$
8. $KClO_3 \rightarrow KCl + O_2$
9. $KOH + HCl \rightarrow KCl + H_2O$
10. $Na_2SO_4 + HCl \rightarrow NaCl + H_2SO_4$
11. $Mg + HCl \rightarrow MgCl_2 + H_2$
12. $NaOH + HCl \rightarrow NaCl + H_2O$
13. $CaCO_3 + HCl \rightarrow CaCl_2 + H_2CO_3$
14. $SiO_2 + HF \rightarrow SiF_4 + H_2O$
15. $Pb(NO_3)_2 \rightarrow PbO + NO_2 + O_2$
16. $Cu + H_2SO_4 \rightarrow CuSO_4 + SO_2 + H_2O$
17. $PbS_2 + O_2 \rightarrow Pb_3O_3 + SO_2$
18. $MnO_2 + HCl \rightarrow MnCl_2 + Cl_2 + H_2O$
19. $Al + HCl \rightarrow AlCl_3 + H_2$
20. $C_{25}H_{42} + O_2 \rightarrow H_2O + CO_2$
21. Mercury + Oxygen gas → Mercury (II) Oxide
22. Carbon + Oxygen gas → Carbon monoxide
23. Iron + Oxygen gas → Iron (III) Oxide
24. Copper (II) Oxide + Carbon → Copper + Carbon Dioxide
25. Hydrochloric acid + calcium hydroxide → Calcium chloride + water

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