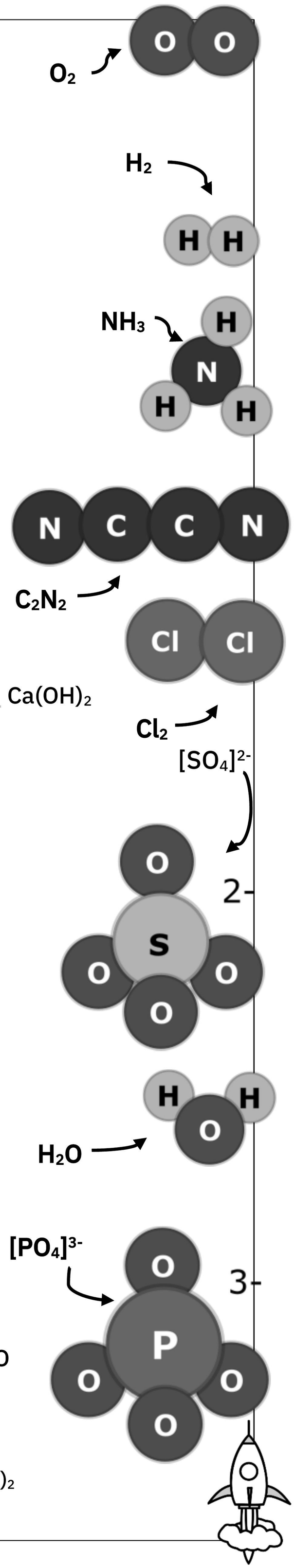
Balancing Chemical Equations 3

Chemistry

Name:

Balance the following chemical equations.

1. __ OH^- → __ H_2O + __ O_2 + __ 4 e^-
2. __ PCl_3 + __ H_2O → __ $P(OH)_3$ + __ HCl
3. __ P_4O_{10} + __ HCl → __ $POCl_3$ + __ HPO_3
4. __ Na + __ H_2O → __ NaOH __ H_2
5. __ $MgNH_4PO_4$ → __ $Mg_2P_2O_7$ + __ NH_3 + __ H_2O
6. __ NO + __ H_2O + __ O_2 → __ HNO_3
7. __ $Al(ClO_4)_3$ + __ KBr → __ $AlBr_3$ + __ $KClO_4$
8. __ $Cu(CN)_2$ → __ CuCN + __ C_2N_2
9. __ HCl + __ MnO_2 → __ $MnCl_2$ + __ H_2O + __ Cl_2
10. __ NaOH + __ H_2SO_4 → __ Na_2SO_4 + __ H_2O
11. __ $CaHPO_4.2H_2O$ + __ NaOH + __ H_2O → __ $Na_2HPO_4.12H_2O$ + __ $Ca(OH)_2$
12. __ $FeSO_4$ + __ $K_3[Fe(CN)_6]$ → __ $Fe_3[Fe(CN)_6]_2$ + __ K_2SO_4
13. __ $MgNH_4PO_4$ → __ $Mg_2P_2O_7$ + __ NH_3 + __ H_2O
14. __ H_3PO_4 + __ BaO → __ H_2O + __ $Ba_3(PO_4)_2$
15. __ $AlBr_3$ + __ K_2SO_4 → __ KBr + __ $Al_2(SO_4)_3$
16. __ HCN + __ $CuSO_4$ → __ H_2SO_4 + __ $Cu(CN)_2$
17. __ LiH + __ $AlCl_3$ → __ $LiAlH_4$ + __ LiCl
18. ____ $C_{57}H_{110}O_6$ + ____ O_2 → ____ CO_2 + ____ H_2O
19. __ K_2MnF_6 + __ SbF_5 → __ MnF_3 + __ $KSbF_6$ + __ F_2
20. __ Ba_2XeO_6 + __ H_2SO_4→ __ $BaSO_4$ + __ H_2O + __ XeO_4
21. __ Na_3PO_4 + __ $CaCl_2$ → __ NaCl + __ $Ca_3(PO_4)_2$
22. __ $NaBrO_3$ + __ NaBr + __ H_2SO_4→ __ Na_2SO_4 + __ Br_2 + __ H_2O
23. ____ $C_7H_{10}N$ + ____ O_2 → ____ CO_2 + ____ H_2O + ____ NO_2
24. __ $CaHPO_4.2H_2O$ + __ NaOH + __ H_2O → __ $Na_2HPO_4.12H_2O$ + __ $Ca(OH)_2$



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