Balancing equations

Answer sheet in the last

1. _Zn+_$AgNO_3$ ----> _ Zn $(NO_3)_2$+_Ag
2. _KBr+_Cl_2 ----> _KCl+_Br_2
3. _$BaCl_2$+_K_2SO_4 ----> _ $BaSO_4$+_KCl
4. _H_2S+_Cl_2 ----> _S +_ HCl
5. _MnO_2+_HCl ----> _$MnCl_2$+_Cl_2+_H2O
6. _H_2S+_I_2 ----> _HI+_S
7. _Na+_O_2 ----> _Na_2O
8. _SO_2+_H_2S ----> __H_2O+_S
9. _ PbO+__C ----> _ Pb+_CO_2
10. _S_8+_O_2 ----> _ SO_3
11. _$C_{10}H_{16}$+_Cl_2 ----> _ C+ _ HCl
12. _Si_2H_{16}+_O_2 ----> _SiO_2+_H_2O
13. _C_7H_{16}+_O_2 ----> _CO_2+_H_2O
14. _SiO_2+_HF ----> _SiF_4+_H_2O
15. _$KClO_3$ ----> _$KClO_4$ + _ KCl
16. _P_4O_{10}+_H_2O ----> _H_3PO_4
17. _FeS_2+_O_2 ----> _Fe_2O_3+_SO_2
18. _H_2O_2 ----> _H_2O+_O_2
19. _FeS+_O_2 ----> _Fe_2O_3+_SO_2
20. _NH_3+_H_2SO_4 ----> _$(NH_4)_2SO_4$
21. _NaCN+_$CuCO_3$ ----> _Na_2CO_3+__Cu $(CN)_2$
22. _CaF_2+_Li_2SO_4 ----> _$CaSO_4$+_LiF
23. _ Si $(OH)_4$+_NaBr ----> _$SiBr_4$+_NaOH
24. _Na_3P+ _CaF_2 ----> _NaF+Ca_3P_2
25. _ Pb $(NO_3)_2$ ----> _PbO+_NO_2+_O_2

26. _Al+ _Fe_3N_2 ----> _ AlN +_Fe

27. _ZnS+_AlP ----> _Zn_3P_2+_Al_2S_3

28. _Cr $(NO_2)_2$+_(NH4)2SO4 ----> _$CrSO_4$+_NH_4NO_2

29. _ Pb $(OH)_4$+_Cu_2O ----> _PbO_2+_CuOH

30. _Ag_2S ----> _Ag+_S_8

31. __CH_4 + __O_2 ----> __CO_2 + __H_2O

32. __Na + __Cl_2 ----> __NaCl

33. __Al + __O_2 ----> __Al_2O_3

34. __N_2 + __H_2 ----> __NH_3

35. __CO + __H_2 ----> __C_8H_{18} + __H_2O

36. __Fe_2O_3 + __CO ----> __Fe + __CO_2

37. __H_2SO_4 + __$Pb(OH)_4$ ----> $Pb(SO_4)_2$ + __H_2O

38. __Al + __Hcl ----> __$AlCl_3$ + __H_2

39. __$Ca_3(PO_4)_2$ + __H_2SO_4 ----> __$CaSO_4$ + __$(H_2PO_4)_2$

40. __H_3PO_4 + __HCl ----> __PCl_5 + __H_2O

41. __Fe + __H_2SO_4 ----> __$Fe_2(SO_4)_3$ + __H_2

42. __C_2H_6 + __O_2 ----> __H_2O + __CO_2

43. __KOH + __H_3PO_4 ----> __K_3PO_4 + __H_2O

44. __SnO_2 + __H_2 ----> __Sn + __H_2O

45. __NH_3 + __O_2 ----> __NO + __H_2O

46. __KNO_3 + __H_2CO_3 ----> __K_2CO_3 + __HNO_3

47. __B_2Br_3 + __HNO_3 ----> __$B(NO_3)_3$ + __HBr

48. __BF_3 + __Li_2SO_3 ----> __$B_2(SO_3)_3$ + __LiF

49. __$(NH_4)_3PO_4$ + __$Pb(NO_3)_4$ ----> __$Pb_3(PO_4)_4$ + __NH_4NO_3

50. __$SeCl_3$ + __O_2 ----> __SeO_2 + __Cl_2

51. __PCl_5 + __H_2O ----> __H_3PO_4 + __HCl

52. __SO_2 + __O_2 ----> __SO_3

53. __Mg + __N_2 ----> __Mg_3N_2

54. __HNO_3 + __$Ca(OH)_2$ ----> __$Ca(NO_3)_2$ + __H_2O

55. __NaOH + __H_2SO_4 ----> __Na_2SO_4 + __H_2O

56. __NaCl + __$AgNO_3$ ----> __AgCl + __$NaNO_3$

57. __Al + __Fe_2O_3 ----> __Al_2O_3 + __Fe

58. __$ZnCO_3$ + __H_2SO_4 ----> __$ZnSO_4$ + ___ CO_2 + __H_2O

59. __$Ca(OH)_2$ + __HCl ----> __$CaCl_2$ + __H_2O

60. __KOH + __H_2SO_4 ----> __K_2SO_4 + __H_2O

Balancing equations – Answer Sheets

1. $\underline{1}\ Zn + \underline{2}AgNO_3 \longrightarrow \underline{1}\ Zn(NO_3)_2 + \underline{2}Ag$
2. $\underline{2}KBr + \underline{1}Cl_2 \longrightarrow \underline{2}KCl + \underline{1}Br_2$
3. $\underline{1}BaCl_2 + \underline{1}K_2SO_4 \longrightarrow \underline{1}\ BaSO_4 + \underline{2}KCl$
4. $\underline{1}H_2S + \underline{1}Cl_2 \longrightarrow \underline{1}S + \underline{2}\ HCl$
5. $\underline{1}MnO_2 + \underline{4}HCl \longrightarrow \underline{1}MnCl_2 + \underline{1}Cl_2 + \underline{2}H2O$
6. $\underline{1}H_2S + \underline{1}I_2 \longrightarrow \underline{2}HI + \underline{1}S$
7. $\underline{4}Na + \underline{1}O_2 \longrightarrow \underline{2}Na_2O$
8. $\underline{1}SO_2 + \underline{2}H_2S \longrightarrow \underline{2}H_2O + \underline{3}S$
9. $\underline{2}\ PbO + \underline{1}C \longrightarrow \underline{2}\ Pb + \underline{1}CO_2$
10. $\underline{1}S_8 + \underline{12}O_2 \longrightarrow \underline{8}\ SO_3$
11. $\underline{1}C_{10}H_{16} + \underline{8}Cl_2 \longrightarrow \underline{10}\ C + \underline{16}\ HCl$
12. $\underline{1}Si_2H_{16} + \underline{6}O_2 \longrightarrow \underline{2}SiO_2 + \underline{8}H_2O$
13. $\underline{1}C_7H_{16} + \underline{11}O_2 \longrightarrow \underline{7}CO_2 + \underline{8}H_2O$
14. $\underline{1}SiO_2 + \underline{4}HF \longrightarrow \underline{1}SiF_4 + \underline{2}H_2O$
15. $\underline{4}KClO_3 \longrightarrow \underline{3}KClO_4 + \underline{1}\ KCl$
16. $\underline{1}P_4O_{10} + \underline{6}H_2O \longrightarrow \underline{4}H_3PO_4$
17. $\underline{4}FeS_2 + \underline{11}O_2 \longrightarrow \underline{2}Fe_2O_3 + \underline{8}SO_2$
18. $\underline{2}H_2O_2 \longrightarrow \underline{2}H_2O + \underline{1}O_2$
19. $\underline{4}FeS + \underline{7}O_2 \longrightarrow \underline{2}Fe_2O_3 + \underline{4}SO_2$
20. $\underline{2}NH_3 + \underline{1}H_2SO_4 \longrightarrow \underline{1}(NH_4)_2SO_4$
21. $\underline{2}NaCN + \underline{1}CuCO_3 \longrightarrow \underline{1}Na_2CO_3 + \underline{1}Cu(CN)_2$
22. $\underline{1}CaF_2 + \underline{1}Li_2SO_4 \longrightarrow \underline{1}CaSO_4 + \underline{2}LiF$
23. $\underline{1}\ Si(OH)_4 + \underline{4}NaBr \longrightarrow \underline{1}SiBr_4 + \underline{4}NaOH$

24. $\underline{2}Na_3P + \underline{3}CaF_2$ ----> $\underline{6}NaF + \underline{1}Ca_3P_2$

25. $\underline{2}\ Pb(NO_3)_2$ ----> $\underline{2}PbO + \underline{4}NO_2 + \underline{1}O_2$

26. $\underline{2}Al + \underline{1}Fe_3N_2$ ----> $\underline{2}\ AlN + \underline{3}Fe$

27. $\underline{3}ZnS + \underline{2}AlP$ ----> $\underline{1}Zn_3P_2 + \underline{1}Al_2S_3$

28. $\underline{1}Cr(NO_2)_2 + \underline{1}(NH4)2SO4$ ----> $\underline{1}CrSO_4 + \underline{2}NH_4NO_2$

29. $\underline{1}\ Pb(OH)_4 + \underline{2}Cu_2O$ ----> $\underline{1}PbO_2 + \underline{4}CuOH$

30. $\underline{8}Ag_2S$ ----> $\underline{16}Ag + \underline{1}S_8$

31. $\underline{1}CH_4 + \underline{2}O_2$ ----> $\underline{1}CO_2 + \underline{2}H_2O$

32. $\underline{2}Na + \underline{1}Cl_2$ ----> $\underline{2}NaCl$

33. $\underline{4}Al + \underline{3}O_2$ ----> $\underline{2}Al_2O_3$

34. $\underline{1}N_2 + \underline{3}H_2$ ----> $\underline{2}NH_3$

35. $\underline{8}CO + \underline{17}H_2$ ----> $\underline{1}C_8H_{18} + \underline{8}H_2O$

36. $\underline{1}Fe_2O_3 + \underline{3}CO$ ----> $\underline{2}Fe + \underline{3}CO_2$

37. $\underline{2}H_2SO_4 + \underline{1}Pb(OH)_4$ ----> $\underline{1}Pb(SO_4)_2 + \underline{4}H_2O$

38. $\underline{2}Al + \underline{6}Hcl$ ----> $\underline{2}AlCl_3 + \underline{3}H_2$

39. $\underline{1}Ca_3(PO_4)_2 + \underline{2}H_2SO_4$ ----> $\underline{2}CaSO_4 + \underline{1}(H_2PO_4)_2$

40. $H_3PO_4 + \underline{5}HCl$ ----> $PCl_5 + \underline{4}H_2O$

41. $\underline{2}Fe + \underline{3}H_2SO_4$ ----> $\underline{1}Fe_2(SO_4)_3 + \underline{3}H_2$

42. $\underline{2}C_2H_6 + \underline{7}O_2$ ----> $\underline{6}H_2O + \underline{4}CO_2$

43. $\underline{3}KOH + \underline{1}H_3PO_4$ ----> $\underline{1}K_3PO_4 + \underline{3}H_2O$

44. $\underline{1}SnO_2 + \underline{2}H_2$ ----> $\underline{1}Sn + \underline{2}H_2O$

45. $\underline{4}NH_3 + \underline{5}O_2$ ----> $\underline{4}NO + \underline{6}H_2O$

46. $\underline{2}KNO_3 + \underline{1}H_2CO_3$ ----> $\underline{1}K_2CO_3 + \underline{2}HNO_3$

47. $BBr_3 + \underline{3}HNO_3$ ----> $B(NO_3)_3 + \underline{3}HBr$

48. $\underline{2}BF_3 + \underline{3}Li_2SO_3$ ----> $\underline{1}B_2(SO_3)_3 + \underline{6}LiF$

49. $\underline{4}(NH_4)_3PO_4 + \underline{3}Pb(NO_3)_4$ ----> $\underline{1}Pb_3(PO_4)_4 + \underline{12}NH_4NO_3$

50. $\underline{2}SeCl_3 + \underline{2}O_2 \quad \text{----> } \underline{2}SeO_2 + \underline{3}Cl_2$

51. $\underline{1}PCl_5 + \underline{4}H_2O \quad \text{----> } \underline{1}H_3PO_4 + \underline{5}HCl$

52. $\underline{2}SO_2 + \underline{1}O_2 \quad \text{----> } \underline{2}SO_3$

53. $\underline{3}Mg + \underline{1}N_2 \quad \text{----> } \underline{1}Mg_3N_2$

54. $\underline{2}HNO_3 + \underline{1}Ca(OH)_2 \quad \text{----> } \underline{1}Ca(NO_3)_2 + \underline{2}H_2O$

55. $\underline{2}NaOH + \underline{1}H_2SO_4 \quad \text{----> } \underline{1}Na_2SO_4 + \underline{2}H_2O$

56. $\underline{1}NaCl + \underline{1}AgNO_3 \quad \text{----> } \underline{1}AgCl + \underline{1}NaNO_3$

57. $\underline{2}Al + \underline{1}Fe_2O_3 \quad \text{----> } \underline{1}Al_2O_3 + \underline{2}Fe$

58. $\underline{1}ZnCO_3 + \underline{1}H_2SO_4 \quad \text{----> } \underline{1}ZnSO_4 + \underline{1}\ CO_2 + \underline{1}H_2O$

59. $\underline{1}Ca(OH)_2 + \underline{2}HCl \quad \text{----> } \underline{1}CaCl_2 + \underline{2}H_2O$

60. $\underline{2}KOH + \underline{1}H_2SO_4 \quad \text{----> } \underline{1}K_2SO_4 + \underline{2}H_2O$