

Ammonium bromide	$NH_4 Br$	Magnesium sulfide	MgS
Calcium sulfate	$CaSO_4$	Zinc carbonate	$ZnCO_3$
Barium bicarbonate	$Ba(HCO_3)_2$	Iron (II) bisulfate	$Fe(HSO_4)_2$
Cobalt (II) nitrate	$Co(NO_3)_2$	Magnesium phosphate	$Mg_3(PO_4)_2$
Strontium fluoride	SrF_2	Ammonium chloride	NH_4Cl
Lithium oxide	Li_2O	Calcium sulfide	CaS
Zinc sulfate	$ZnSO_4$	Barium carbonate	$BaCO_3$
Iron (II) bicarbonate	$Fe(HCO_3)_2$	Cobalt (II) bisulfate	$Co(HSO_4)_2$
Mercury (II) nitrate	$Hg(NO_3)_2$	Manganese dihydrogenphosphate	$Mn(H_2PO_4)_2$
Aluminum phosphate	$AlPO_4$	Ammonium fluoride	NH_4F
Magnesium iodide	MgI_2	Copper oxide	CuO
Zinc sulfide	ZnS	Barium sulfate	$BaSO_4$
Iron (II) carbonate	$FeCO_3$	Cobalt (II) Hydrogencarbonate	$Co(HCO_3)_2$
Mercury (II) bisulfate	$Hg(HSO_4)_2$	Magnesium fluoride	MgF_2
Calcium iodide	CaI_2	Zinc oxide	ZnO
Barium sulfide	BaS	Iron (II) sulfate	$FeSO_4$
Magnesium chloride	$MgCl_2$	Cobalt (III) carbonate	$Co_2(CO_3)_3$
Manganese bisulfate	$Mn_2(HSO_4)_2$	Magnesium bromide	$MgBr_2$
Aluminum hydroxide	$Al(OH)_3$	Iron (III) phosphate	$FePO_4$
Manganese nitrate	$Mn(NO_3)_2$	Calcium bromide	$CaBr_2$
Zinc iodide	ZnI_2	Barium oxide	BaO

Sodium fluoride	NaF	Potassium chloride	KCl
Silver bromide	$AgBr$	Ammonium iodide	NH_4I
Mercury (I) oxide	Hg_2O	Hydrogen sulfide	H_2S
Rubidium sulfate	Rb_2SO_4	Calcium carbonate	$CaCO_3$
Zinc bicarbonate	$Zn(HCO_3)_2$	Barium hydrogensulfate	$Ba(HSO_4)_2$
Lithium nitrate	$LiNO_3$	Cobalt (II) hydroxide	$Co(OH)_2$
Mercury (II) phosphate	$Hg_3(PO_4)_2$	Sodium chloride	$NaCl$
Potassium bromide	KBr	Caesium iodide	CSI
Mercury (I) sulfide	Hg_2S	Sulfuric acid	H_2SO_4
Magnesium carbonate	$MgCO_3$	Calcium bicarbonate	$Ca(HCO_3)_2$
Zinc bisulfate	$Zn(HSO_4)_2$	Barium nitrate	$Ba(NO_3)_2$
Rubidium phosphate	Rb_3PO_4	Iron (II) hydroxide	$Fe(OH)_2$
Sodium bromide	$NaBr$	Potassium iodide	KI
Silver oxide	Ag_2O	Ammonium sulfide	$(NH_4)_2S$
Mercury (I) sulfate	Hg_2SO_4	Magnesium bicarbonate	$Mg(HCO_3)_2$
Calcium bisulfate	$Ca(HSO_4)_2$	Zinc nitrate	$Zn(NO_3)_2$
Barium hydroxide	$Ba(OH)_2$	Iron (II) phosphate	$Fe_3(PO_4)_2$
Sodium iodide	NaI	Potassium oxide	K_2O
Nickel sulfide	NiS	Ammonium sulfate	$(NH_4)_2SO_4$
Mercury (I) carbonate	Hg_2CO_3	Magnesium bisulfate	$Mg(HSO_4)_2$
Calcium nitrate	$Ca(NO_3)_2$	Zinc hydroxide	$Zn(OH)_2$

Chemical Formulas

Iron (III) bicarbonate	$Fe(HCO_3)_3$	Iron (II) fluoride	FeF_2
Cobalt (II) chloride	$CoCl_2$	Manganese oxide	MnO
Aluminium sulfide	Al_2S_3	Iron(III) sulfate	$Fe_2(SO_4)_3$
Chromium (III) carbonate	$Cr_2(CO_3)_3$	Cobalt (II) fluoride	CoF_2
Manganese bromide	$MnBr_2$	Aluminium oxide	Al_2O_3
Iron (III) sulfide	Fe_2S_3	Nickel sulfate	$NiSO_4$
Manganese oxalate	MnC_2O_4	Aluminium iodide	AlI_3
Iron (III) oxide	Fe_2O_3	Chromium (III) sulfide	$Cr_2(SO_3)_3$
Manganese fluoride	MnF_2	Aluminium bromide	$AlBr_3$
Iron (III) iodide	FeI_3	Chromium (III) sulfide	Cr_2S_3
Aluminium chloride	$AlCl_3$	Lead bromide	$PbBr_2$
Chromium (III) iodide	CrI_3	Water	H_2O
Carbon monoxide	CO	Carbon dioxide	CO_2
Sulfur dioxide	SO_2	Nitrogen dioxide	NO_2
Hydrochloric acid	HCl	Sulfuric acid	H_2SO_4
Hydrogen bromide	HBr	Hydrogen iodide	HI
Hydrogen fluoride	HF	Nitric acid	HNO_3
Sodium hydroxide	$NaOH$	Ammonia	NH_3
Sodium cyanide	$NaCN$	Calcium ethanoate	$Ca(CH_3COO)_2$
Acetic acid/ Ethanoic acid	CH_3COOH	Ammonium hydroxide	NH_4OH
Hydrogen gas	H_2	Oxygen gas	O_2

Iron (II) sulfide	FeS	Cobalt (II) sulfate	$CoSO_4$
Manganese bicarbonate	$Mn(HCO_3)_2$	Rubidium bisulfate	$RbHSO_4$
Iron (III) nitrate	$Fe(NO_3)_3$	Chromium (III) hydroxide	$Cr(OH)_3$
Copper (II) fluoride	CuF_2	Zinc permanganate	$Zn(MnO_4)_2$
Barium iodide	BaI_2	Aluminium nitrate	$Al(NO_3)_3$
Iron (III) hydroxide	$Fe(OH)_3$	Chromium (III) phosphate	$CrPO_4$
Calcium chloride	$CaCl_2$	Iron (II) oxide	FeO
Cobalt (II) sulfide	CoS	Manganese carbonate	$MnCO_3$
Aluminium bicarbonate	$Al(HCO_3)_3$	Iron (III) chromate	$Fe_2(CrO_4)_3$
Cobalt (III) sulfite	$Co_2(SO_3)_3$	Manganese oxide	MnO
Barium bromide	$BaBr_2$	Iron (II) iodide	FeI_2
Cobalt (II) oxide	CoO	Manganese sulfate	$MnSO_4$
Iron (III) ethanoate	$Fe(CH_3COO)_3$	Chromium (III) chloride	$CrCl_3$
Iron (II) bromide	$FeBr_2$	Strontium iodide	SrI_2
Manganese oxide	MnO	Lead chloride	$PbCl_2$
Manganese sulfide	MnS	Aluminium sulfate	$Al_2(SO_4)_3$
Iron (III) carbonate	$Fe_2(CO_3)_3$	Barium chloride	$BaCl_2$
Aluminium carbonate	$Al_2(CO_3)_3$	Barium nitrite	$Ba(NO_2)_2$
Chromium (III) dichromate	$Cr_2(Cr_2O_7)_3$	Iron (II) chloride	$FeCl_2$
Caesium bromide	$CsBr$	Aluminium fluoride	AlF_3
Iron (III) chloride	$FeCl_3$	Chromium (III) bromide	$CrBr_3$

Chemical Formulas

Barium nitride	$Ba_3 N_2$	Caesium oxide	$Cs_2 O$
Potassium sulfide	$K_2 S$	Silver sulfate	$Ag_2 SO_4$
Strontium carbonate	$Sr CO_3$	Manganese nitrate	$Mn(NO_3)_2$
Calcium hydroxide	$Ca(OH)_2$	Zinc phosphate	$Zn_3(PO_4)_2$
Sodium sulfide	$Na_2 S$	Potassium hydrogenphosphate	$K_2 HPO_4$
Silver carbonate	$Ag_2 CO_3$	Ammonium bicarbonate	$NH_4 HCO_3$
Nitric acid	HNO_3	Magnesium hydroxide	$Mg(OH)_2$
Calcium phosphate	$Ca_3(PO_4)_2$	Sodium sulfate	$Na_2 SO_4$
Potassium carbonate	$K_2 CO_3$	Silver dihydrogenphosphate	$AgH_2 PO_4$
Ammonium oxalate	$(NH_4)_2 C_2 O_4$	Magnesium phosphate	$Mg_3(PO_4)_2$
Sodium carbonate	$Na_2 CO_3$	Potassium sulfite	$K_2 SO_3$
Silver bisulfate	$AgHSO_4$	Ammonium sulfide	$(NH_4)_2 S$
Phosphoric acid	$H_3 PO_4$	Sodium bicarbonate	$NaHCO_3$
Silver acetate	$AgCH_3COO$	Silver nitrate	$AgNO_3$
Ammonium hydroxide	$NH_4 OH$	Mercury (I) phosphate	$Hg_3 PO_4$
Sodium bisulfate	$NaHSO_4$	Potassium nitrate	KNO_3
Ammonium phosphate	$(NH_4)_3 PO_4$	Sodium nitrate	$NaNO_3$
Potassium hydroxide	KOH	Silver nitrite	$AgNO_2$
Rubidium hydroxide	$RbOH$	Potassium phosphate	$K_3 PO_4$
Sodium phosphate	$Na_3 PO_4$	Chromium (III) fluoride	CrF_3
Potassium fluoride	KF	Silver chloride	$AgCl$

Write and balance the following equations: (on a new sheet)

- Potassium bicarbonate + nitric acid \rightarrow potassium nitrate + water + carbon dioxide
 $KHCO_3 + HNO_3 \rightarrow KNO_3 + H_2O + CO_2$
- Aluminum bicarbonate \rightarrow aluminum oxide + water + carbon dioxide
 $2 Al(HCO_3)_3 \rightarrow Al_2O_3 + 3 H_2O + 6 CO_2$
- Iron (III) carbonate + hydrochloric acid \rightarrow iron (III) chloride + water + carbon dioxide
 $Fe_2(CO_3)_3 + 6 HCl \rightarrow 2 FeCl_3 + 3 H_2O + 3 CO_2$
- Copper (II) sulfate + iron \rightarrow iron(II) sulfate + copper
 $CuSO_4 + Fe \rightarrow FeSO_4 + Cu$
- Ammonium hydroxide + sulfuric acid \rightarrow ammonium sulfate + water
 $2 NH_4OH + H_2SO_4 \rightarrow (NH_4)_2 SO_4 + 2 H_2O$
- Chromium (III) hydroxide + sulfuric acid \rightarrow chromium (III) sulfate + water
 $2 Cr(OH)_3 + 3 H_2SO_4 \rightarrow Cr_2(SO_4)_3 + 6 H_2O$
- Iron (III) oxide + carbon \rightarrow iron + carbon dioxide
 $2 Fe_2O_3 + 3 C \rightarrow 4 Fe + 3 CO_2$
- Ammonium bicarbonate \rightarrow ammonium carbonate + water + carbon dioxide
 $2 NH_4HCO_3 \rightarrow (NH_4)_2CO_3 + H_2O + CO_2$
- Potassium + water \rightarrow potassium hydroxide + hydrogen gas
 $2 K + 2 H_2O \rightarrow 2 KOH + H_2$
- Sodium hydroxide + sulfuric acid \rightarrow sodium sulfate + water
 $2 NaOH + H_2SO_4 \rightarrow Na_2SO_4 + 2 H_2O$
- Magnesium + oxygen gas \rightarrow magnesium oxide
 $2 Mg + O_2 \rightarrow 2 MgO$
- Sodium + water \rightarrow sodium hydroxide + hydrogen gas
 $2 Na + 2 H_2O \rightarrow 2 NaOH + H_2$
- Aluminium carbonate + hydrochloric acid \rightarrow aluminium chloride + water + CO₂
 $Al_2(CO_3)_3 + 6 HCl \rightarrow 2 AlCl_3 + 3 H_2O + 3 CO_2$
- Zinc oxide + phosphoric acid \rightarrow zinc phosphate + water
 $3 ZnO + 2 H_3PO_4 \rightarrow Zn_3(PO_4)_2 + 3 H_2O$
- Ammonium carbonate + nitric acid \rightarrow ammonium nitrate + carbon dioxide + water
 $(NH_4)_2CO_3 + 2 HNO_3 \rightarrow 2 NH_4NO_3 + CO_2 + H_2O$

Chemical Formulas

Balance the following equations

- 1 $\overset{3}{\text{NaOH}} + \overset{1}{\text{H}_3\text{PO}_4} \rightarrow \overset{1}{\text{Na}_3\text{PO}_4} + \overset{3}{\text{H}_2\text{O}}$
 - 2 $\overset{1}{\text{Mg(OH)}_2} + \overset{2}{\text{HCl}} \rightarrow \overset{1}{\text{MgCl}_2} + \overset{2}{\text{H}_2\text{O}}$
 - 3 $\overset{3}{\text{CaCO}_3} + \overset{2}{\text{H}_3\text{PO}_4} \rightarrow \overset{1}{\text{Ca}_3(\text{PO}_4)_2} + \overset{3}{\text{H}_2\text{O}} + \overset{3}{\text{CO}_2}$
 - 4 $\overset{1}{\text{K}_2\text{CO}_3} + \overset{2}{\text{HCl}} \rightarrow \overset{2}{\text{KCl}} + \overset{1}{\text{H}_2\text{O}} + \overset{1}{\text{CO}_2}$
 - 5 $\overset{3}{\text{Mg(OH)}_2} + \overset{2}{\text{H}_3\text{PO}_4} \rightarrow \overset{1}{\text{Mg}_3(\text{PO}_4)_2} + \overset{6}{\text{H}_2\text{O}}$
 - 6 $\overset{2}{\text{Ca}} + \overset{1}{\text{O}_2} \rightarrow \overset{2}{\text{CaO}}$
 - 7 $\overset{1}{\text{Al}_2\text{O}_3} + \overset{2}{\text{Fe}} \rightarrow \overset{1}{\text{Fe}_2\text{O}_3} + \overset{2}{\text{Al}}$
 - 8 $\overset{2}{\text{K}} + \overset{2}{\text{H}_2\text{O}} \rightarrow \overset{2}{\text{KOH}} + \overset{1}{\text{H}_2}$
 - 9 $\overset{1}{\text{ZnO}} + \overset{2}{\text{HCl}} \rightarrow \overset{1}{\text{ZnCl}_2} + \overset{1}{\text{H}_2\text{O}}$
 - 10 $\overset{4}{\text{Al}} + \overset{3}{\text{O}_2} \rightarrow \overset{2}{\text{Al}_2\text{O}_3}$
 - 11 $\overset{1}{\text{Ca}} + \overset{2}{\text{H}_2\text{O}} \rightarrow \overset{1}{\text{Ca(OH)}_2} + \overset{1}{\text{H}_2}$
 - 12 $\overset{2}{\text{NiS}} + \overset{3}{\text{O}_2} \rightarrow \overset{2}{\text{NiO}} + \overset{2}{\text{SO}_2}$
 - 13 $\overset{2}{\text{Na}} + \overset{1}{\text{O}_2} \rightarrow \overset{1}{\text{Na}_2\text{O}_2}$
 - 14 $\overset{1}{\text{Na}_2\text{O}} + \overset{2}{\text{HCl}} \rightarrow \overset{2}{\text{NaCl}} + \overset{1}{\text{H}_2\text{O}}$
 - 15 $\overset{1}{\text{Al}_2(\text{CO}_3)_3} \rightarrow \overset{1}{\text{Al}_2\text{O}_3} + \overset{3}{\text{CO}_2}$
 - 16 $\overset{1}{\text{Cr}_2(\text{CO}_3)_3} + \overset{3}{\text{H}_2\text{SO}_4} \rightarrow \overset{1}{\text{Cr}_2(\text{SO}_4)_3} + \overset{3}{\text{H}_2\text{O}} + \overset{3}{\text{CO}_2}$
 - 17 $\overset{2}{\text{KClO}_3} \rightarrow \overset{2}{\text{KCl}} + \overset{3}{\text{O}_2}$
 - 18 $\overset{2}{\text{Na}_2\text{O}_2} + \overset{2}{\text{H}_2\text{O}} \rightarrow \overset{4}{\text{NaOH}} + \overset{1}{\text{O}_2}$
 - 19 $\overset{2}{\text{Al(OH)}_3} + \overset{3}{\text{H}_2\text{SO}_4} \rightarrow \overset{1}{\text{Al}_2(\text{SO}_4)_3} + \overset{6}{\text{H}_2\text{O}}$
 - 20 $\overset{2}{\text{H}_2} + \overset{1}{\text{O}_2} \rightarrow \overset{2}{\text{H}_2\text{O}}$
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- 1 $\overset{2}{\text{NaOH}} + \overset{1}{\text{H}_2\text{SO}_4} \rightarrow \overset{1}{\text{Na}_2\text{SO}_4} + \overset{2}{\text{H}_2\text{O}}$
 - 2 $\overset{3}{\text{KOH}} + \overset{1}{\text{H}_3\text{PO}_4} \rightarrow \overset{1}{\text{K}_3\text{PO}_4} + \overset{3}{\text{H}_2\text{O}}$
 - 3 $\overset{2}{\text{Mg}} + \overset{1}{\text{O}_2} \rightarrow \overset{2}{\text{MgO}}$
 - 4 $\overset{1}{\text{Na}_2\text{CO}_3} + \overset{2}{\text{HCl}} \rightarrow \overset{2}{\text{NaCl}} + \overset{1}{\text{CO}_2} + \overset{1}{\text{H}_2\text{O}}$
 - 5 $\overset{2}{\text{Fe}_2\text{O}_3} + \overset{3}{\text{C}} \rightarrow \overset{4}{\text{Fe}} + \overset{3}{\text{CO}_2}$
 - 6 $\overset{2}{\text{NH}_4\text{OH}} + \overset{1}{\text{H}_2\text{SO}_4} \rightarrow \overset{1}{(\text{NH}_4)_2\text{SO}_4} + \overset{2}{\text{H}_2\text{O}}$
 - 7 $\overset{1}{\text{Zn}} + \overset{2}{\text{HCl}} \rightarrow \overset{1}{\text{ZnCl}_2} + \overset{1}{\text{H}_2}$
 - 8 $\overset{2}{\text{NaHCO}_3} \rightarrow \overset{1}{\text{Na}_2\text{CO}_3} + \overset{1}{\text{CO}_2} + \overset{1}{\text{H}_2\text{O}}$
 - 9 $\overset{1}{\text{Pb(NO}_3)_2} + \overset{2}{\text{KI}} \rightarrow \overset{1}{\text{PbI}_2} + \overset{2}{\text{KNO}_3}$
 - 10 $\overset{1}{\text{Ca(OH)}_2} + \overset{2}{\text{HNO}_3} \rightarrow \overset{1}{\text{Ca(NO}_3)_2} + \overset{2}{\text{H}_2\text{O}}$
 - 11 $\overset{2}{\text{Na}} + \overset{2}{\text{H}_2\text{O}} \rightarrow \overset{2}{\text{NaOH}} + \overset{1}{\text{H}_2}$
 - 12 $\overset{2}{\text{NaHCO}_3} + \overset{1}{\text{H}_2\text{SO}_4} \rightarrow \overset{1}{\text{Na}_2\text{SO}_4} + \overset{2}{\text{CO}_2} + \overset{2}{\text{H}_2\text{O}}$
 - 13 $\overset{3}{(\text{NH}_4)_2\text{CO}_3} + \overset{2}{\text{H}_3\text{PO}_4} \rightarrow \overset{2}{(\text{NH}_4)_3\text{PO}_4} + \overset{3}{\text{H}_2\text{O}} + \overset{3}{\text{CO}_2}$
 - 14 $\overset{1}{\text{Ca}} + \overset{2}{\text{HNO}_3} \rightarrow \overset{1}{\text{Ca(NO}_3)_2} + \overset{1}{\text{H}_2}$
 - 15 $\overset{2}{\text{KOH}} + \overset{1}{\text{H}_2\text{SO}_4} \rightarrow \overset{1}{\text{K}_2\text{SO}_4} + \overset{2}{\text{H}_2\text{O}}$
 - 16 $\overset{2}{\text{KHCO}_3} + \overset{1}{\text{H}_2\text{SO}_4} \rightarrow \overset{1}{\text{K}_2\text{SO}_4} + \overset{2}{\text{H}_2\text{O}} + \overset{2}{\text{CO}_2}$
 - 17 $\overset{1}{\text{AgNO}_3} + \overset{1}{\text{NaCl}} \rightarrow \overset{1}{\text{AgCl}} + \overset{1}{\text{NaNO}_3}$
 - 18 $\overset{1}{\text{CaCO}_3} + \overset{2}{\text{HCl}} \rightarrow \overset{1}{\text{CaCl}_2} + \overset{1}{\text{H}_2\text{O}} + \overset{1}{\text{CO}_2}$
 - 19 $\overset{3}{\text{Mg}} + \overset{2}{\text{H}_3\text{PO}_4} \rightarrow \overset{2}{\text{Mg}_3(\text{PO}_4)_2} + \overset{3}{\text{H}_2}$
 - 20 $\overset{1}{\text{Al(OH)}_3} + \overset{3}{\text{HCl}} \rightarrow \overset{1}{\text{AlCl}_3} + \overset{3}{\text{H}_2\text{O}}$
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- 1 $\overset{1}{\text{Ca(OH)}_2} + \overset{2}{\text{HCl}} \rightarrow \overset{1}{\text{CaCl}_2} + \overset{2}{\text{H}_2\text{O}}$
 - 2 $\overset{1}{\text{Mg}} + \overset{2}{\text{HCl}} \rightarrow \overset{1}{\text{MgCl}_2} + \overset{1}{\text{H}_2}$
 - 3 $\overset{3}{(\text{NH}_4)_2\text{CO}_3} + \overset{2}{\text{H}_3\text{PO}_4} \rightarrow \overset{2}{(\text{NH}_4)_3\text{PO}_4} + \overset{3}{\text{H}_2\text{O}} + \overset{3}{\text{CO}_2}$
 - 4 $\overset{2}{\text{KOH}} + \overset{1}{\text{H}_2\text{SO}_4} \rightarrow \overset{1}{\text{K}_2\text{SO}_4} + \overset{2}{\text{H}_2\text{O}}$
 - 5 $\overset{1}{\text{Al(OH)}_3} + \overset{1}{\text{H}_3\text{PO}_4} \rightarrow \overset{1}{\text{AlPO}_4} + \overset{3}{\text{H}_2\text{O}}$
 - 6 $\overset{1}{\text{Ca}} + \overset{2}{\text{HCl}} \rightarrow \overset{1}{\text{CaCl}_2} + \overset{1}{\text{H}_2}$
 - 7 $\overset{1}{\text{K}_2\text{CO}_3} + \overset{2}{\text{HNO}_3} \rightarrow \overset{2}{\text{KNO}_3} + \overset{1}{\text{H}_2\text{O}} + \overset{1}{\text{CO}_2}$
 - 8 $\overset{1}{\text{Ca(OH)}_2} + \overset{1}{\text{H}_2\text{SO}_4} \rightarrow \overset{1}{\text{CaSO}_4} + \overset{2}{\text{H}_2\text{O}}$
 - 9 $\overset{3}{\text{NaHCO}_3} + \overset{1}{\text{H}_3\text{PO}_4} \rightarrow \overset{1}{\text{Na}_3\text{PO}_4} + \overset{3}{\text{H}_2\text{O}} + \overset{3}{\text{CO}_2}$
 - 10 $\overset{1}{\text{AlCl}_3} + \overset{3}{\text{AgNO}_3} \rightarrow \overset{3}{\text{AgCl}} + \overset{1}{\text{Al(NO}_3)_3}$
 - 11 $\overset{1}{\text{Sn}} + \overset{2}{\text{HNO}_3} \rightarrow \overset{1}{\text{Sn(NO}_3)_2} + \overset{1}{\text{H}_2}$
 - 12 $\overset{3}{\text{Ca(OH)}_2} + \overset{2}{\text{H}_3\text{PO}_4} \rightarrow \overset{1}{\text{Ca}_3(\text{PO}_4)_2} + \overset{6}{\text{H}_2\text{O}}$
 - 13 $\overset{1}{\text{Na}_2\text{CO}_3} + \overset{2}{\text{HNO}_3} \rightarrow \overset{2}{\text{NaNO}_3} + \overset{1}{\text{H}_2\text{O}} + \overset{1}{\text{CO}_2}$
 - 14 $\overset{3}{\text{Mg}} + \overset{2}{\text{H}_3\text{PO}_4} \rightarrow \overset{1}{\text{Mg}_3(\text{PO}_4)_2} + \overset{3}{\text{H}_2}$
 - 15 $\overset{1}{\text{Al(OH)}_3} + \overset{3}{\text{HCl}} \rightarrow \overset{1}{\text{AlCl}_3} + \overset{3}{\text{H}_2\text{O}}$
 - 16 $\overset{1}{(\text{NH}_4)_2\text{CO}_3} + \overset{2}{\text{HNO}_3} \rightarrow \overset{2}{\text{NH}_4\text{NO}_3} + \overset{1}{\text{H}_2\text{O}} + \overset{1}{\text{CO}_2}$
 - 17 $\overset{3}{\text{KHCO}_3} + \overset{1}{\text{H}_3\text{PO}_4} \rightarrow \overset{1}{\text{K}_3\text{PO}_4} + \overset{1}{\text{H}_2\text{O}} + \overset{3}{\text{CO}_2}$
 - 18 $\overset{1}{\text{Mg}} + \overset{2}{\text{HNO}_3} \rightarrow \overset{1}{\text{Mg(NO}_3)_2} + \overset{1}{\text{H}_2}$
 - 19 $\overset{1}{\text{K}_2\text{CO}_3} + \overset{2}{\text{HNO}_3} \rightarrow \overset{2}{\text{KNO}_3} + \overset{1}{\text{H}_2\text{O}} + \overset{1}{\text{CO}_2}$
 - 20 $\overset{2}{\text{Al(OH)}_3} + \overset{3}{\text{H}_2\text{SO}_4} \rightarrow \overset{1}{\text{Al}_2(\text{SO}_4)_3} + \overset{6}{\text{H}_2\text{O}}$