Chemical Reactions. Balance Each Equation.

1. zinc + copper (II) sulfate → copper + zinc sulfate

2. potassium chlorate → potassium chloride + oxygen

3. potassium iodide + lead (II) nitrate → lead (II) iodide + potassium nitrate

4. iron (III) oxide + carbon → iron + carbon monoxide

5. iron + water → hydrogen + iron (III) oxide

6. aluminum + sulfuric acid → aluminum sulfate + hydrogen

7. magnesium chloride + ammonium nitrate → magnesium nitrate + ammonium chloride

8. mercury (II) oxide → mercury + oxygen

9. sodium carbonate + calcium hydroxide → sodium hydroxide + calcium carbonate

10. phosphorus + oxygen → phosphorus pentoxide

11. sodium + water → sodium hydroxide + hydrogen

12. zinc + sulfuric acid → zinc sulfate + hydrogen

13.calcium oxide + water → calcium hydroxide

14.iron + copper (I) nitrate → iron (II) nitrate + copper

15.potassium oxide + water → potassium hydroxide

16.ammonium sulfide + lead (II) nitrate → ammonium nitrate + lead (II) sulfide

17.mercury (II) hydroxide + phosphoric acid → mercury (II) phosphate + water

18.potassium hydroxide + phosphoric acid → potassium phosphate + water

19.calcium chloride + nitric acid → calcium nitrate + hydrochloric acid

20.potassium carbonate + barium chloride → potassium chloride + barium carbonate

21.magnesium hydroxide + sulfuric acid → magnesium sulfate + water

22.sulfur dioxide + water → sulfurous acid

23.sodium carbonate + hydrochloric acid → sodium chloride + water + carbon dioxide

24.magnesium + nitric acid → magnesium nitrate + hydrogen

25.potassium phosphate + magnesium chloride → magnesium phosphate + potassium chloride

26.aluminum + iron (III) oxide → aluminum oxide + iron

27.ammonia + oxygen → nitrogen + water

28.calcium carbonate → calcium oxide + carbon dioxide

29.sodium chloride + sulfuric acid → sodium sulfate + hydrochloric acid

30.fluorine + sodium hydroxide → sodium fluoride + oxygen + water

31.magnesium nitrate + calcium iodide → calcium nitrate + magnesium iodide

32.aluminum sulfate + ammonium bromide → aluminum bromide + ammonium sulfate

33.potassium fluoride + barium bromide → barium fluoride + potassium bromide

34.copper (II) nitrate + ammonium hydroxide → copper (II) hydroxide + ammonium nitrate

35.sodium nitrate → sodium nitrite + oxygen

36.lead (II) hydroxide → lead (II) oxide + water

37.ammonia + sulfuric acid → ammonium sulfate

38.hydrochloric acid + ammonia → ammonium chloride

39.copper (II) sulfate + iron → iron (II) sulfate + copper

40.aluminum + hydrochloric acid → aluminum chloride + hydrogen

41.carbon + oxygen → carbon dioxide

42.calcium bicarbonate + calcium hydroxide → calcium carbonate + water

43.hydrogen sulfide + oxygen → water + sulfur

44.sodium hydroxide + calcium nitrate → sodium nitrate + calcium hydroxide

45.potassium iodide + chlorine → potassium chloride + iodine

46.sulfuric acid + potassium hydroxide → potassium sulfate + water

47.carbon dioxide + carbon → carbon monoxide

48.calcium sulfate + sodium carbonate → calcium carbonate + sodium sulfate

49.water + diphosphorous pentoxide → phosphoric acid

50.aluminum + phosphoric acid → hydrogen + aluminum phosphate

51.ammonium chloride + sodium nitrite → sodium chloride + nitrogen + water

52.chlorine + sodium hydroxide → sodium chloride + sodium hypochlorite + water

53.lead (II) nitrate → lead (II) oxide + nitrogen dioxide + oxygen

54.mercury (I) oxide + oxygen → mercury (II) oxide

55.calcium oxide + magnesium chloride → magnesium oxide + calcium chloride

56.calcium + water → calcium hydroxide + hydrogen

57.chromium (III) chloride + sulfuric acid → chromium (III) sulfate + hydrochloric acid

58.iron (III) nitrate + ammonium hydroxide → iron (III) hydroxide + ammonium nitrate

59.aluminum chloride + potassium phosphate → aluminum phosphate + potassium chloride

60.aluminum oxide + carbon + chlorine → carbon monoxide + aluminum chloride

61.copper (I) oxide + hydrochloric acid → copper (I) chloride + water

62.magnesium bicarbonate + hydrochloric acid → magnesium chloride + water + carbon dioxide

63.iron + oxygen → iron (III) oxide

64.silicon + water → silicon dioxide + hydrogen

65.iron (III) oxide + carbon monoxide → iron + carbon dioxide

66.calcium chloride + chromium (III) nitrate → calcium nitrate + chromium (III) chloride

67.zinc sulfide + oxygen → zinc oxide + sulfur dioxide

68.calcium phosphate + sulfuric acid → calcium sulfate + phosphoric acid

69.iron (III) hydroxide → iron (III) oxide + water

70.aluminum sulfate + sodium bicarbonate → aluminum oxide + sodium sulfate + carbon dioxide + water

71.calcium phosphate + silicon dioxide + carbon → phosphorus + calcium silicate + carbon monoxide

72.calcium oxide + sulfur dioxide → calcium sulfite

73.carbon dioxide + magnesium hydroxide → magnesium carbonate + water

74.calcium oxide + hydrochloric acid → calcium chloride + water

75.calcium carbonate + silicon dioxide → calcium silicate + carbon dioxide

76.antimony + chlorine → antimony (III) chloride

77.magnesium nitride + water → magnesium hydroxide + ammonia

78.arsenic + oxygen → arsenic (III) oxide

79.ammonium bicarbonate → ammonia + water + carbon dioxide

80.copper (II) oxide + ammonia → copper + water + nitrogen

81.ammonium dichromate → chromium (III) oxide + nitrogen + water

82.hydrogen sulfide + cadmium nitrate → nitric acid + cadmium sulfide

83.barium bromide + sodium phosphate → barium phosphate + sodium bromide

84.aluminum chloride + ammonium fluoride → ammonium chloride + aluminum fluoride

85.silver nitrate + potassium sulfate → silver sulfate + potassium nitrate

86.bismuth (III) nitrate + calcium iodide → bismuth (III) iodide + calcium nitrate

87.aluminum chromate + ammonium sulfate → ammonium chromate + aluminum sulfate

88.zinc nitrate + ammonium bromide → zinc bromide + ammonium nitrate

89.bismuth (V) nitrate + ammonium hydroxide → bismuth (V) hydroxide + ammonium nitrate

90.cadmium nitrate + sulfuric acid → cadmium sulfate + nitric acid

91.zinc + silver iodide → zinc iodide + silver

92.iron (III) chloride + sulfuric acid → iron (III) sulfate + hydrochloric acid

93.bismuth (III) sulfate + ammonium hydroxide → bismuth (III) hydroxide + ammonium sulfate

94.hydrogen iodide + oxygen → iodine + water

95.potassium sulfate + barium chloride → barium sulfate + potassium chloride

96.barium sulfate + carbon → barium sulfide + carbon monoxide

97.aluminum oxide + hydrofluoric acid → aluminum fluoride + water

98.potassium iodide + hydrogen peroxide → potassium hydroxide + iodine

99.zinc + iron (III) sulfate → zinc sulfate + iron (II) sulfate

100. lead (II) sulfide + lead (II) oxide → lead + sulfur dioxide

101. copper + sulfuric acid → copper (II) sulfate + water + sulfur dioxide

102. aluminum hydroxide → aluminum oxide + water

103. nitrogen + hydrogen → ammonia

104. sodium carbonate + carbonic acid → sodium bicarbonate

105. silicon dioxide + hydrofluoric acid → water + silicon tetrafluoride

106. sodium hypochlorite → sodium chloride + sodium chlorate

107. sodium chlorite + chlorine → sodium chloride + chlorine dioxide

108. methane (CH_4) + sulfur dioxide → hydrogen sulfide + carbon dioxide + hydrogen

109. iron (II) selenide + hydrochloric acid → iron (II) chloride + hydrogen selenide

110. magnesium + nitrogen → magnesium nitride

111. silver cyanide + potassium → potassium cyanide + silver

112. tungsten + chlorine → tungsten hexachloride

113. calcium + ammonia → calcium hydride + nitrogen

114. lithium hydride + water → lithium hydroxide + hydrogen

115. aluminum + hydrochloric acid →

116. calcium hydroxide + nitric acid →

117. magnesium + zinc nitrate →

118. zinc chloride + hydrogen sulfide →

119. dinitrogen pentoxide + water →

120. silver nitrate + sodium chloride →

121. barium nitrate + sodium chromate →

122. calcium phosphate + aluminum sulfate →

123. sodium chloride →

124. sulfur dioxide + water →

125. magnesium + hydrochloric acid →

126. ammonium nitrite + barium hydroxide →

127. barium oxide + water →

128. calcium + oxygen →

129. calcium + phosphoric acid →

130. calcium chloride + ammonium hydroxide →

131. aluminum sulfide + hydrochloric acid →

132. sodium carbonate + sulfuric acid →

133. lithium + bromine →

134. sulfur trioxide + water →

135. calcium carbonate + hydrochloric acid →

136. zinc + sulfuric acid →

137. lead (II) hydroxide + hydrochloric acid →

138. iron (II) carbonate + phosphoric acid →

139. silver sulfide + hydrochloric acid →

140. magnesium nitrate + hydrochloric acid →

141. zinc hydroxide + sulfuric acid →

142. calcium oxide + water →

143. sodium chloride + potassium nitrate →

144. lithium hydroxide + phosphoric acid →