

Write a balanced chemical equation for each of the following.

21. Aluminum bromide and chlorine gas react to form aluminum chloride and bromine gas.

22. Sodium phosphate and calcium chloride react to form calcium phosphate and sodium chloride.

23. Potassium metal and chlorine gas combine to form potassium chloride.

24. Aluminum and hydrochloric acid react to form aluminum chloride and hydrogen gas.

25. Calcium hydroxide and phosphoric acid react to form calcium phosphate and water.

26. Copper and sulfuric acid react to form copper (II) sulfate and water and sulfur dioxide.

27. Hydrogen gas and nitrogen monoxide react to form water and nitrogen gas.

28. Iron (II) hydroxide reacts with hydrogen peroxide to produce iron (III) hydroxide.

29. Nickel reacts with lead nitrate to produce nickel nitrate and lead.

30. Nitrogen monoxide and water vapor are produced from a reaction between ammonia and oxygen.