Predicting Products Practice Worksheet

Practice Problems Answers

	Reaction	Type of Reaction	Will it Happen?
1.	$2NaBr + Cl_2 \rightarrow 2NaCl + Br_2$	SR	Yes
2.	$2Na_3PO_4 + 3MgSO_4 \rightarrow Mg_3(PO_4)_2 + 3Na_2SO_4$	DR	Yes
3.	$2NH_4OH + BaCl_2 \rightarrow Ba(OH)_2 + 2NH_4Cl$	DR	No
4.	$C_3H_8 + 5O_2 \rightarrow 3CO_2 + 4H_2O$	C	
5.	$2C_2H_2 + 5O_2 \rightarrow 4CO_2 + 2H_2O$	C	
6.	$2KCl + H_2SO_4 \rightarrow 2HCl + K_2SO_4$	DR	No
7.	$Ca + HCl \rightarrow CaCl_2 + H_2$	SR	Yes
8.	$Al + Fe_2O_3 \rightarrow Fe + Al_2O_3$	SR	Yes

Word to Formula Practice Worksheet

Practice Problems Answers

1) When dissolved beryllium chloride reacts with dissolved silver nitrate (silver's charge is +1), aqueous beryllium nitrate and silver chloride powder are made.
   $BeCl_2 + 2AgNO_3 \rightarrow Be(NO_3)_2 + 2AgCl$
2) When isopropanol (C_3H_8O) burns in oxygen, carbon dioxide, water, and heat are produced.
   $2C_3H_8O + 9O_2 \rightarrow 6CO_2 + 8H_2O$
3) When dissolved sodium hydroxide reacts with sulfuric acid (H_2SO_4), aqueous sodium sulfate, water, and heat are formed.
   $2NaOH + H_2SO_4 \rightarrow Na_2SO_4 + 2H_2O$
4) When fluorine gas is put into contact with calcium metal at high temperatures, calcium fluoride powder is created.
   $F_2 + Ca \rightarrow CaF_2$
5) When sodium metal reacts with iron (II) chloride, iron metal and sodium chloride are formed.
   $2Na + FeCl_2 \rightarrow 2NaCl + Fe$