

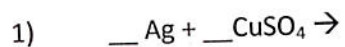
Types of Chemical Reaction Worksheet

Balance the reactions **a to f** and indicate which types of chemical reaction are being represented:

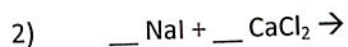
- a) $\text{___ NaBr} + \text{___ Ca(OH)}_2 \rightarrow \text{___ CaBr}_2 + \text{___ NaOH}$ Reaction Type : _____
- b) $\text{___ NH}_3 + \text{___ H}_2\text{SO}_4 \rightarrow \text{___ (NH}_4\text{)}_2\text{SO}_4$ Reaction Type : _____
- c) $\text{___ C}_5\text{H}_9\text{O} + \text{___ O}_2 \rightarrow \text{___ CO}_2 + \text{___ H}_2\text{O}$ Reaction Type : _____
- d) $\text{___ Pb} + \text{___ H}_3\text{PO}_4 \rightarrow \text{___ H}_2 + \text{___ Pb}_3\text{(PO}_4\text{)}_2$ Reaction Type : _____
- e) $\text{___ Li}_3\text{N} + \text{___ NH}_4\text{NO}_3 \rightarrow \text{___ LiNO}_3 + \text{___ (NH}_4\text{)}_3\text{N}$ Reaction Type : _____
- f) $\text{Na}_3\text{PO}_4 + 3 \text{KOH} \rightarrow 3 \text{NaOH} + \text{K}_3\text{PO}_4$ Reaction Type _____
- g) $\text{MgCl}_2 + \text{Li}_2\text{CO}_3 \rightarrow \text{MgCO}_3 + 2 \text{LiCl}$ Reaction Type _____
- h) $\text{C}_6\text{H}_{12} + 9 \text{O}_2 \rightarrow 6 \text{CO}_2 + 6 \text{H}_2\text{O}$ Reaction Type _____
- i) $\text{Pb} + \text{FeSO}_4 \rightarrow \text{PbSO}_4 + \text{Fe}$ Reaction Type _____
- j) $\text{CaCO}_3 \rightarrow \text{CaO} + \text{CO}_2$ Reaction Type _____
- k) $\text{P}_4 + 3 \text{O}_2 \rightarrow 2 \text{P}_2\text{O}_3$ Reaction Type _____
- l) $2 \text{RbNO}_3 + \text{BeF}_2 \rightarrow \text{Be(NO}_3\text{)}_2 + 2 \text{RbF}$ Reaction Type _____
- m) $2 \text{AgNO}_3 + \text{Cu} \rightarrow \text{Cu(NO}_3\text{)}_2 + 2 \text{Ag}$ Reaction Type _____
- n) $\text{C}_3\text{H}_6\text{O} + 4 \text{O}_2 \rightarrow 3 \text{CO}_2 + 3 \text{H}_2\text{O}$ Reaction Type _____
- o) $2 \text{C}_5\text{H}_5 + \text{Fe} \rightarrow \text{Fe(C}_5\text{H}_5\text{)}_2$ Reaction Type _____
- p) $\text{SeCl}_6 + \text{O}_2 \rightarrow \text{SeO}_2 + 3 \text{Cl}_2$ Reaction Type _____
- q) $2 \text{MgI}_2 + \text{Mn(SO}_3\text{)}_2 \rightarrow 2 \text{MgSO}_3 + \text{MnI}_4$ Reaction Type _____
- r) $\text{O}_3 \rightarrow \text{O} + \text{O}_2$ Reaction Type _____
- s) $2 \text{NO}_2 \rightarrow 2 \text{O}_2 + \text{N}_2$ Reaction Type _____

Predicting the products of chemical reactions

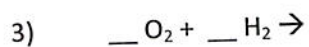
Predict the products of the following reactions:



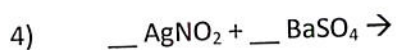
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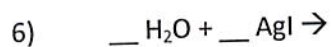
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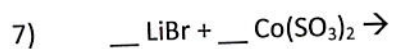
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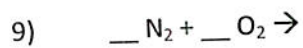
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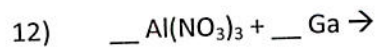
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