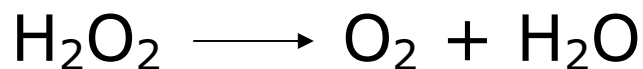


## Card 1

What type of reaction is shown by:

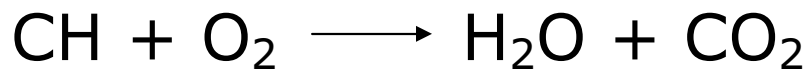


What type of reaction is shown by  
and balance:



## Card 2

What type of reaction is shown by:

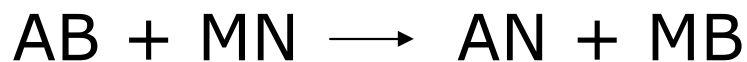


What type of reaction is shown by  
and balance:

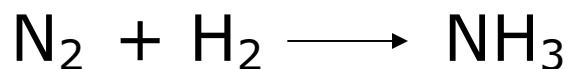


## Card 3

What type of reaction is shown by:

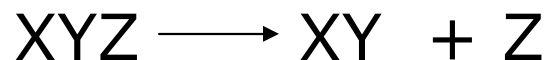


What type of reaction is shown by  
and balance:

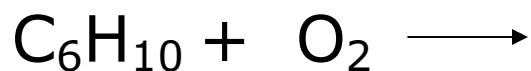


## Card 4

What type of reaction is shown by:

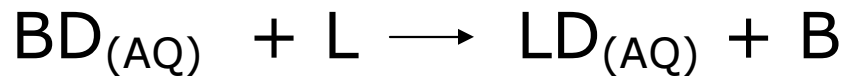


What type of reaction is shown by  
and balance:



## Card 5

What type of reaction is shown by:

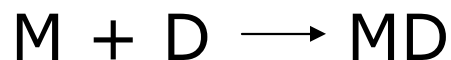


What type of reaction is shown by  
and balance:

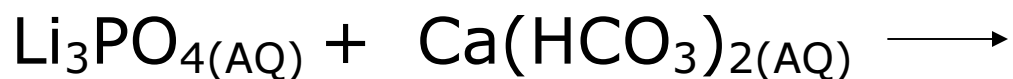


## Card 6

What type of reaction is shown by:



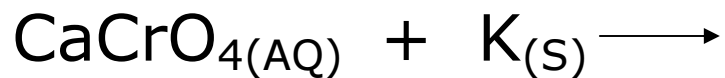
What type of reaction is shown by  
and balance:



## Card 7

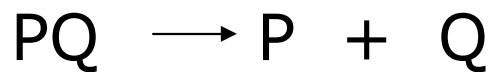
What type of reaction is shown by:  
octane and oxygen form water and carbon dioxide

What type of reaction is shown by  
and balance:



## Card 8

What type of reaction is shown by:

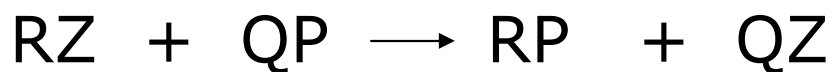


What type of reaction is shown by  
and balance:

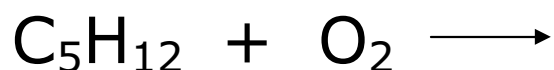


## Card 9

What type of reaction is shown by:

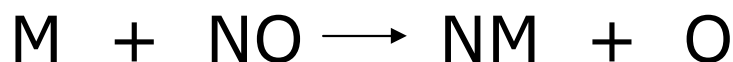


What type of reaction is shown by  
and balance:



## Card 10

What type of reaction is shown by:



What type of reaction is shown by  
and balance:



## Card 11

What type of reaction is shown by:



What type of reaction is shown by  
and balance:



## Card 12

What type of reaction is shown by:



What type of reaction is shown by  
and balance:



|   |  |                    |
|---|--|--------------------|
| 1 | $AB + C \rightarrow ABC$                                       | synthesis          |
| 1 | $2H_2O_2 \longrightarrow O_2 + 2H_2O$                          | (decomp)           |
|   |  |                    |
| 2 | $CH + O_2 \rightarrow H_2O + CO_2$                             | combustion         |
| 2 | $Ba_{(s)} + 2NaCl_{(aq)} \rightarrow BaCl_{2(aq)} + 2Na_{(s)}$ | (SR)               |
|   |  |                    |
| 3 | $AB + MN \rightarrow AN + MB$                                  | double replacement |
| 3 | $N_2 + 3H_2 \longrightarrow 2NH_3$                             | synthesis          |
|   |  |                    |
| 4 | $XYZ \rightarrow XY + Z$                                       | decomposition      |
| 4 | $2C_6H_{10} + 17O_2 \longrightarrow 12CO_2 + 10H_2O$           | combustion         |

|   |   |                    |
|---|---|--------------------|
| 5 | $BD_{(AQ)} + L \rightarrow LD_{(AQ)} + B$   | single replacement |
| 5 | $3NH_4OH_{(AQ)} + Al(NO_3)_3_{(AQ)} \rightarrow 3NH_4NO_3_{(AQ)} + Al(OH)_3_{(S)}$        | double replacement |
|   |   |                    |
| 6 | $M + D \rightarrow MD$  | synthesis          |
| 6 | $2Li_3PO_4_{(AQ)} + 3Ca(HCO_3)_2_{(AQ)} \rightarrow Ca_3(PO_4)_2_{(S)} + 6LiHCO_3_{(AQ)}$ | double replacement |
|   |   |                    |
| 7 | Octane & oxygen form water & carbon dioxide<br>combustion                                 |                    |
| 7 | $CaCrO_4_{(AQ)} + 2K_{(S)} \rightarrow K_2CrO_4_{(AQ)} + Ca_{(S)}$                        | single replacement |
|   |   |                    |
| 8 | $PQ \rightarrow P + Q$  | decomposition      |
| 8 | $3Sr + N_2 \rightarrow Sr_3N_2$   | synthesis          |

|    |  |                    |
|----|--|--------------------|
| 9  | $RZ + QP \rightarrow RP + QZ$  | double replacement |
| 9  | $C_5H_{12} + 8O_2 \rightarrow 5CO_2 + 6H_2O$                                     | combustion         |
| 10 | $M + NO \rightarrow NM + O$  | single replacement |
| 10 | $2PF_5 \rightarrow 2P + 5F_2$  | decomposition      |
| 11 | $WX + Y \rightarrow WXY$   | synthesis          |
| 11 | $C_{16}H_{32} + 24O_2 \rightarrow 16CO_2 + 16H_2O$                               | combustion         |
| 12 | $JKLM \rightarrow JL + K + M$  | decomposition      |
| 12 | $Be(ClO_4)_{2(AQ)} + MgCrO_{4(AQ)} \rightarrow Mg(ClO_4)_{2(AQ)} + BeCrO_{4(S)}$ | double replacement |