

CHANGES IN MATTER / CHEMICAL REACTIONS _ TEST 17

1. Complete:

In chemical changes or chemical reactions _____.

In these reactions there is always _____.

There are also one or more substances called _____
which transform into different substances called _____.

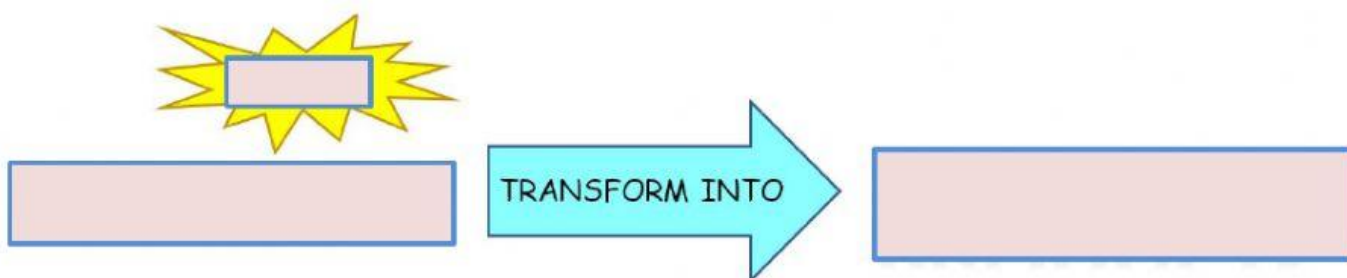
In chemical reactions the total amount of mass _____;
the total mass of the _____ is _____ to
the total mass of the _____.

2. Complete



$$\begin{array}{c} \text{Mass of} \\ \text{[yellow box]} \\ \text{(reactant 1)} \end{array} + \begin{array}{c} \text{Mass of} \\ \text{[yellow box]} \\ \text{(reactant 2)} \end{array} = \begin{array}{c} \text{Mass of} \\ \text{[yellow box]} \\ \text{(product 1)} \end{array} + \begin{array}{c} \text{Mass of} \\ \text{[yellow box]} \\ \text{(product 2)} \end{array} + \begin{array}{c} \text{Mass of} \\ \text{[yellow box]} \\ \text{(product 3)} \end{array}$$

3. Complete:



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4. Complete:



5. Complete

This chemical reaction occurs in the absence of oxygen. →

This is a very fast oxidation. →

In this chemical reaction rust is formed →

A substance combines with oxygen →

Fuel combines with oxygen →

Yeast and bacteria carry out this chemical reaction →

Well done!

