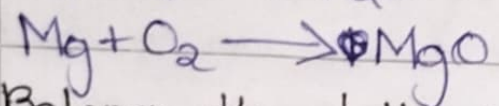
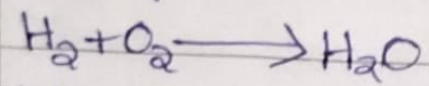


Home Assignment

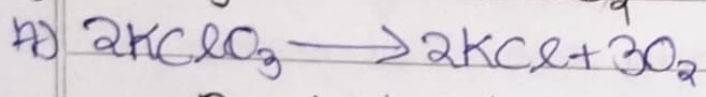
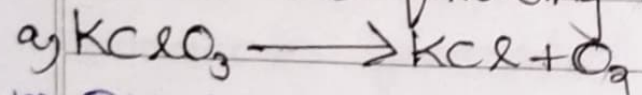
1. What do you mean by Skeletal Equation? Give two examples.

A) The equations in which the number of atoms on the left side is not equal to the number of atoms in the right are known as skeletal Equations.

• Examples:-



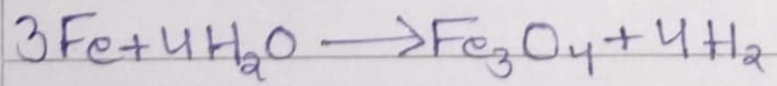
2. Balance the following equations:-

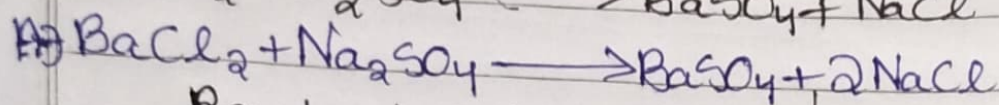
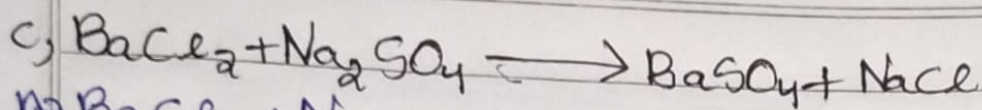


Reactant side	Product side
$K = 1 \times 2 = 2$	$K = 1 \times 2 = 2$
$Cl = 1 \times 2 = 2$	$Cl = 1 \times 2 = 2$
$O = 3 \times 2 = 6$	$O = 2 \times 3 = 6$



Reactant side	Product side
$Fe = 1 \times 3 = 3$	$Fe = 3$
$H = 2 \times 4 = 8$	$H = 2 \times 4 = 8$
$O = 1 \times 4 = 4$	$O = 4$





Reactant Side	Product Side
Ba = 1	Ba = 1
Cl = 2	Cl = $1 \times 2 = 2$
Na = 2	Na = $1 \times 2 = 2$
S = 1	S = 1
O = 4	O = 4

3. Mention the significance of a balanced equation.

A) It shows which substances are taking part in the chemical reaction and what are the products formed.

- It shows both the number of atoms and the number of molecules in the reaction.
- It satisfies the Law of Conservation of Mass.
- It makes the study of chemistry universally standardized.