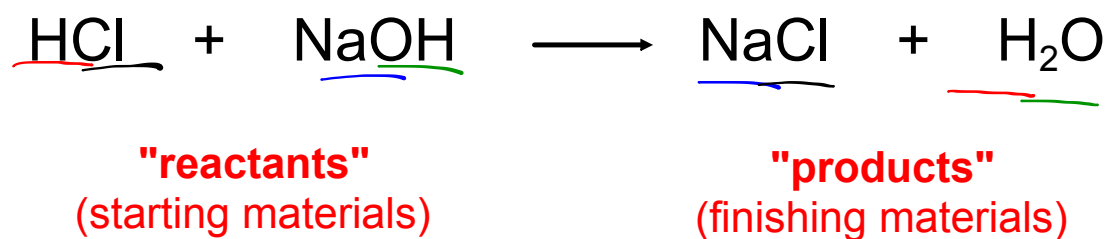
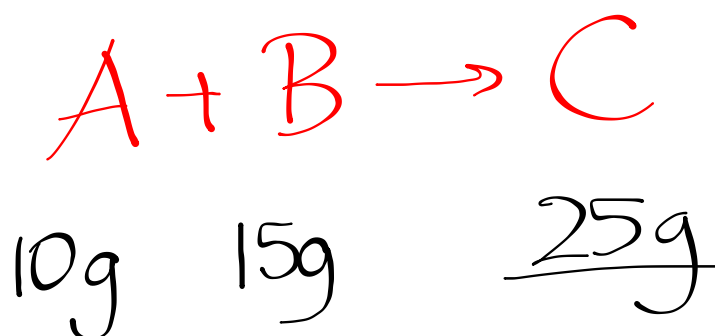


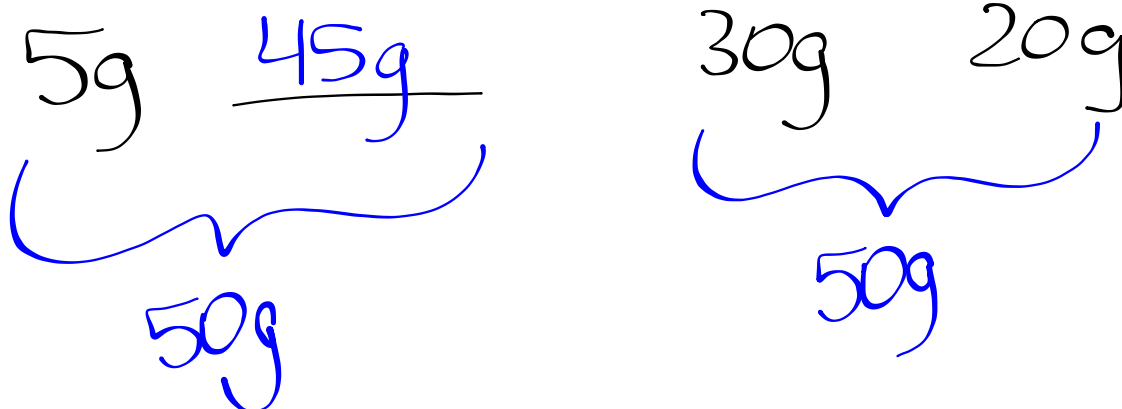
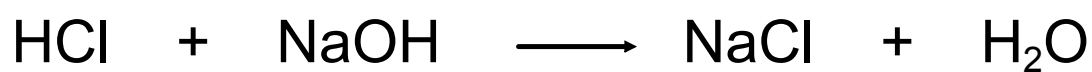
Chemical Equations



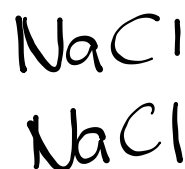
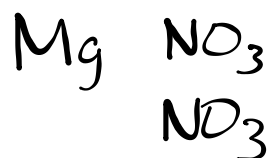
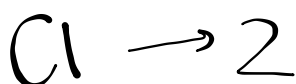
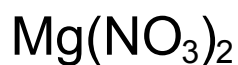
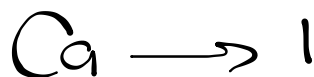
Law of Conservation of Mass

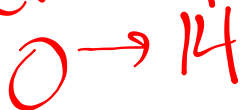
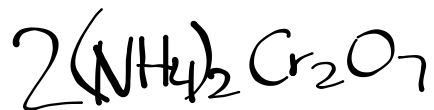
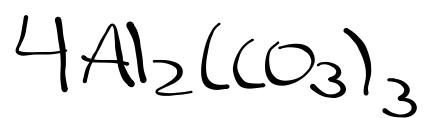
In a chemical reaction, the total mass of the reactants is always equal to the total mass of the products.





Counting Atoms





Skeleton Chemical Equation

Represents the chemical reaction, connecting the reactants to the products.

Ex. methane + oxygen \Rightarrow carbon dioxide + water

Balancing Chemical Equations



Count the Atoms!

ATOM	REACTANTS	PRODUCTS
C	1	1
H	4	2 4
O	2 4	3 4

Tips for balancing chemical equations:

- You can only add coefficients (number in front of formula)
- Balance each atom individually, unless it appears to be a polyatomic compound
- Choose the 'easy' atoms first

