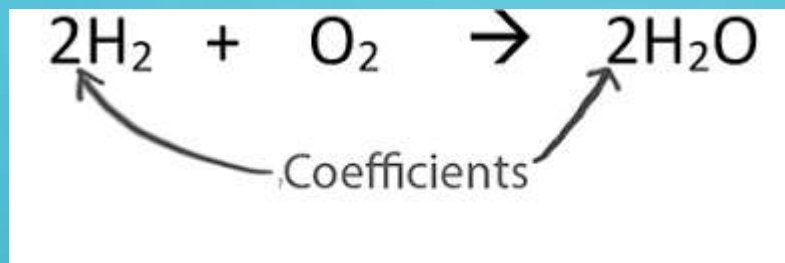


MOLE CONCEPT AND STOICHIOMETRY

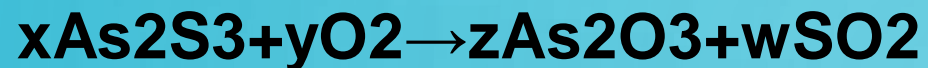
BY PALLABI KAISHYAP BORTHAKUR

Stoichiometry, in chemistry, the determination of the proportions in which elements or compounds react with one another.



Q. How many gram of MgCO_3 contains 24 g of O, ($\text{Mg} = 24$, $\text{C} = 12$, $\text{O} = 16$) (A) 42.2 g (B) 84.3 (C) 120 g (D) 54 gQ

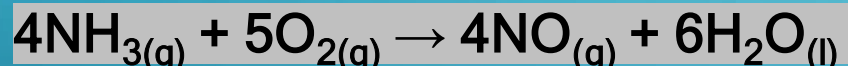
Q. Consider the following reaction :



What is y (the coefficient for O₂) when this equation is balanced using whole number coefficients?

a) 5 b) 7 c) 9 d) 11

Q. In the reaction.



when 1 mole of ammonia and 1 mole of O₂ are made to react to completion :

(a) All the oxygen will be consumed.

(b) 1.0 mole of NO will be produced.

(c) 1.0 mole of H₂O is produced.

(d) All the ammonia will be consumed.