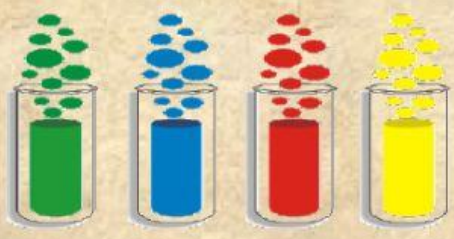

KVS ZIET Bhubaneswar

Interactive Worksheet

Class: IX to XII, TOPIC: Mole Concept

Avagadro's Number = 6.02×10^{23} atoms/mol

1 mol of a gas at STP occupies 22.4 L

The answer of question is given at the bottom of the table.
Drag the correct answer and Drop in the box against the question.

S.No.	QUESTION	Answer
1.	How many atoms of Oxygen are there in 18g of	
2.	How many atoms of Hydrogen are there in 18g of water?	
3.	How many molecules of H_2O are there in 18g of	
4.	What is the mass of 1 mole of O_2?	
5.	What is the mass of 1 molecule of O_2?	
6.	What is the mass of 2 mol of H_2SO_4?	
7.	What is the density of O_2 at STP?	
8.	3 L of a gas weighs 2 g. What is its molecular mass?	
9.	What volume does 22g of CO_2 at STP occupy?	
10.	How many atoms of Hydrogen are in 67.2 L of H_2 at STP?	

6.02×10^{23} | 196g | 1.204×10^{24} | 1.43g/L | 6.02×10^{23} | 3.612×10^{24}

14.9g/mol | 32g | 11.2L | 5.32×10^{-23} g

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