

Name - _____

Start time - __ : __

End time - __ : __

Calculate the number of atoms or molecules in the following:

a. 1.0 mole of H₂O molecules.

b. 2.0 moles of CO₂ molecules.

c. 0.5 moles of NaCl formula units.

d. 3.0 moles of glucose molecules (C₆H₁₂O₆).

Explain how the mole concept is used in stoichiometry and why it is essential for chemical calculations.

Find the volume occupied by 1 mole of a gas at STP (standard temperature and pressure), given that the molar volume at STP is approximately 22.4 liters.

Volume = _____ liters

a b c d e f g h i j k l m n o p q r s t u v w x y z