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CHEMICAL QUANTITIES

Vocabulary Review

Select the term from the following list that best matches each description.

mole	percent composition
Avogadro's number	empirical formula
molar mass	standard temperature and pressure (0° C, 1 atm)
22.4 L	

1. a description of the relative amounts of each element in a compound

2. the lowest whole-number ratio of the atoms of the elements in a compound

3. the volume occupied by one mole of any gas at STP

4. the mass (in grams) of one mole of a compound

5. the SI unit representing 6.02×10^{23} representative particles of a substance

6. 6.02×10^{23} particles

7. the temperature and pressure at which one mole of gas occupies a volume of 22.4 L
