

## SECTION OVERVIEW

### 6.4: The Mole

The mole is the unit of measurement in the International System of Units (SI) for amount of substance. It is defined as the amount of a chemical substance that contains as many elementary entities (e.g., atoms, molecules, ions, electrons, or photons). This number is expressed by the Avogadro constant, which has a value of  $6.022140857 \times 10^{23} \text{ mol}^{-1}$ . The mole is one of the base units of the SI, and has the unit symbol mol.

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