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Definitions and Physical Constants

The value of 9.8 m/s^2 is used for the acceleration of gravity near Earth's surface.

The universal gas constant is 8.314 J/K-mol or $0.08206 \text{ L-atm/K-mol}$.

Planck's constant is $6.6256 \times 10^{-34} \text{ J-s}$.

Avogadro's number is 6.022×10^{23} .

The right-hand rule is used with conventional current (the flow of positive charge from the positive terminal to the negative terminal).

End of Definitions and Physical Constants