

## SI Base Units List

| Quantity                  | Unit     | Symbol |
|---------------------------|----------|--------|
| Length                    | Meter    | m      |
| Mass                      | Kilogram | kg     |
| Time                      | Second   | s      |
| Electric Current          | Ampere   | A      |
| Thermodynamic Temperature | Kelvin   | K      |
| Amount of Substance       | Mole     | mol    |
| Luminous Intensity        | Candela  | cd     |

## SI Derived Units List

| Quantity     | SI Unit                  | Symbol                                    |
|--------------|--------------------------|---|
| Area         | Square meter             | m <sup>2</sup>                            |
| Volume       | Cubic meter              | m <sup>3</sup>                            |
| Density      | Kilogram per cubic meter | kg/m <sup>3</sup> or kg · m <sup>-3</sup> |
| Speed        | Meter per second         | m/s                                       |
| Velocity     | Meter per second         | m/s                                       |
| Acceleration | Meter per second squared | m/s <sup>2</sup>                          |

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| <b>Quantity</b>                        | <b>SI Unit</b> | <b>Symbol</b> |
|--|----------------|---------------|
| Force                                  | Newton         | N             |
| Pressure                               | Pascal         | Pa            |
| Energy                                 | Joule          | J             |
| Electric potential<br>(Voltage)        | Volt           | V             |
| Power                                  | Watt           | W             |
| Frequency                              | Hertz          | Hz            |
| Electric Charge                        | Coulomb        | C             |
| Temperature                            | Kelvin         | K             |
| Magnetic Flux<br>Density               | Tesla          | T             |
| Luminous Flux                          | Lumen          | lm            |
| Electrical<br>Conductance              | Siemens        | S             |
| Capacitance                            | Farad          | F             |
| Magnetic Flux                          | Weber          | Wb            |
| Resistance,<br>Impedance,<br>Reactance | Ohm            | $\Omega$      |
| Inductance                             | Henry          | H             |
| Radioactivity                          | Becquerel      | Bq            |