

**Table B2. Metric Prefixes**

| Unit Multiple    | Prefix | Symbol | Unit Subdivision  | Prefix | Symbol |
|------------------|--------|--------|-------------------|--------|--------|
| 10 <sup>1</sup>  | deka   | da     | 10 <sup>-1</sup>  | deci   | d      |
| 10 <sup>2</sup>  | hecto  | h      | 10 <sup>-2</sup>  | centi  | c      |
| 10 <sup>3</sup>  | kilo   | k      | 10 <sup>-3</sup>  | milli  | m      |
| 10 <sup>6</sup>  | mega   | M      | 10 <sup>-6</sup>  | micro  | μ      |
| 10 <sup>9</sup>  | giga   | G      | 10 <sup>-9</sup>  | nano   | n      |
| 10 <sup>12</sup> | tera   | T      | 10 <sup>-12</sup> | pico   | p      |
| 10 <sup>15</sup> | peta   | P      | 10 <sup>-15</sup> | femto  | f      |
| 10 <sup>18</sup> | exa    | E      | 10 <sup>-18</sup> | atto   | a      |
| 10 <sup>21</sup> | zetta  | Z      | 10 <sup>-21</sup> | zepto  | z      |
| 10 <sup>24</sup> | yotta  | Y      | 10 <sup>-24</sup> | yocto  | y      |

Web Page: <http://www.eia.gov/totalenergy/data/monthly/#appendices>.

Sources: U.S. Department of Commerce, National Institute of Standards and Technology, *The International System of Units (SI)*, NIST Special Publication 330, 1991 Edition (Washington, DC, August 1991), p.10.

**Table B3. Other Physical Conversion Factors**

| Energy Source    | Original Unit    |   | Equivalent in Final Units                      |
|------------------|------------------|---|------------------------------------------------|
| <b>Petroleum</b> | 1 barrel (bbl)   | = | 42 <sup>a</sup> U.S. gallons (gal)             |
| <b>Coal</b>      | 1 short ton      | = | 2,000 <sup>a</sup> pounds (lb)                 |
|                  | 1 long ton       | = | 2,240 <sup>a</sup> pounds (lb)                 |
|                  | 1 metric ton (t) | = | 1,000 <sup>a</sup> kilograms (kg)              |
| <b>Wood</b>      | 1 cord (cd)      | = | 1.25 <sup>b</sup> shorts tons                  |
|                  | 1 cord (cd)      | = | 128 <sup>a</sup> cubic feet (ft <sup>3</sup> ) |

[a] Exact conversion.

[b] Calculated by the U.S. Energy Information Administration.

Web Page: <http://www.eia.gov/totalenergy/data/monthly/#appendices>.

Sources: U.S. Department of Commerce, National Institute of Standards and Technology, *Specifications, Tolerances, and Other Technical Requirements for Weighing and Measuring Devices*, NIST Handbook 44, 1994 Edition (Washington, DC, October 1993), pp. B-10, C-17, and C-21.