

Thermodynamic Quantities

| Substance | $c(J/kg - K)$ |
|---------------|---------------|
| Aluminum | 900 |
| Copper | 385 |
| Iron | 449 |
| Gold | 129 |
| Lead (solid) | 128 |
| Lead (liquid) | 155 |
| Ice | 2090 |
| Water | 4190 |
| Ethyl alcohol | 2400 |
| Beryllium | 1825 |
| Silicon | 703 |
| Gallium | 368 |
| Iridium | 1298 |
| Mercury | 140 |

| Substance | $T_m (^{\circ}C)$ | $L_f (J/kg)$ | $T_b (^{\circ}C)$ | $L_v (J/kg)$ |
|----------------------------|-------------------|--------------------|-------------------|--------------------|
| Nitrogen (N ₂) | -210 | 0.26×10^5 | -196 | 1.99×10^5 |
| Ethyl alcohol | -114 | 1.09^5 | 78 | 8.79×10^5 |
| Mercury (Hg) | -39 | 0.11×10^5 | 357 | 2.96×10^5 |
| Water (H ₂ O) | 0 | 3.33×10^5 | 100 | 22.6×10^5 |
| Lead (Pb) | 328 | 0.25×10^5 | 1750 | 8.58×10^5 |