

## Properties of Materials

<u>Specific Heat (Heat Capacity) (J/g·K)</u>		<u>Density (g/cm<sup>3</sup>) or (x10<sup>3</sup> kg/m<sup>3</sup>)</u>	
copper	0.39	air	0.00129
gold	0.13	brass	8.5
ice	2.06	copper	8.9
iron	0.45	gold	19.3
silver	0.23	helium	0.000179
steam	2.02	iron/steel	7.8
water	4.186	marble	2.7
		mercury	13.6
		water	1.0
		water (ocean)	1.025
		wood	0.5 (0.3 - 0.9)
<u>Heat of Fusion (J/g)</u>			
silver	88		
water	334.16		
<u>Heat of Vaporization (J/g)</u>			
water	2259		
<u>Melting Point (°C)</u>			
silver	961		
<u>Thermal Conductivity (J/(s·m·°C))</u>			
aluminum	205.0		
brick	0.6		
concrete	0.8		
fiberglass	0.04		
glass	0.84		
ice	1.6		
polystyrene	0.033		
silver	406.0		
steel	50.2		
wood	0.04-0.12		