

# Heat capacity of liquid water from 0 °C to 100 °C

Temp. °C	Heat capacity		Temp. °C	Heat capacity		Temp. °C	Heat capacity	
	<u>kJ</u> K·kg	<u>kcal</u> K·kg		<u>kJ</u> K·kg	<u>kcal</u> K·kg		<u>kJ</u> K·kg	<u>kcal</u> K·kg
<b>0</b> (ice)	1.960	0.468	<b>34</b>	4.178	0.999	<b>68</b>	4.189	1.001
<b>0</b>	4.217	1.008	<b>35</b>	4.178	0.999	<b>69</b>	4.189	1.001
<b>1</b>	4.213	1.007	<b>36</b>	4.178	0.999	<b>70</b>	4.190	1.001
<b>2</b>	4.210	1.006	<b>37</b>	4.178	0.999	<b>71</b>	4.190	1.001
<b>3</b>	4.207	1.005	<b>38</b>	4.178	0.999	<b>72</b>	4.191	1.002
<b>4</b>	4.205	1.005	<b>39</b>	4.179	0.999	<b>73</b>	4.192	1.002
<b>5</b>	4.202	1.004	<b>40</b>	4.179	0.999	<b>74</b>	4.192	1.002
<b>6</b>	4.200	1.004	<b>41</b>	4.179	0.999	<b>75</b>	4.193	1.002
<b>7</b>	4.198	1.003	<b>42</b>	4.179	0.999	<b>76</b>	4.194	1.002
<b>8</b>	4.196	1.003	<b>43</b>	4.179	0.999	<b>77</b>	4.194	1.002
<b>9</b>	4.194	1.002	<b>44</b>	4.179	0.999	<b>78</b>	4.195	1.003
<b>10</b>	4.192	1.002	<b>45</b>	4.180	0.999	<b>79</b>	4.196	1.003
<b>11</b>	4.191	1.002	<b>46</b>	4.180	0.999	<b>80</b>	4.196	1.003
<b>12</b>	4.189	1.001	<b>47</b>	4.180	0.999	<b>81</b>	4.197	1.003
<b>13</b>	4.188	1.001	<b>48</b>	4.180	0.999	<b>82</b>	4.198	1.003
<b>14</b>	4.187	1.001	<b>49</b>	4.181	0.999	<b>83</b>	4.199	1.004
<b>15</b>	4.186	1.000	<b>50</b>	4.181	0.999	<b>84</b>	4.200	1.004
<b>16</b>	4.185	1.000	<b>51</b>	4.181	0.999	<b>85</b>	4.200	1.004
<b>17</b>	4.184	1.000	<b>52</b>	4.182	1.000	<b>86</b>	4.201	1.004
<b>18</b>	4.183	1.000	<b>53</b>	4.182	1.000	<b>87</b>	4.202	1.004
<b>19</b>	4.182	1.000	<b>54</b>	4.182	1.000	<b>88</b>	4.203	1.005
<b>20</b>	4.182	1.000	<b>55</b>	4.183	1.000	<b>89</b>	4.204	1.005
<b>21</b>	4.181	0.999	<b>56</b>	4.183	1.000	<b>90</b>	4.205	1.005
<b>22</b>	4.181	0.999	<b>57</b>	4.183	1.000	<b>91</b>	4.206	1.005
<b>23</b>	4.180	0.999	<b>58</b>	4.184	1.000	<b>92</b>	4.207	1.005
<b>24</b>	4.180	0.999	<b>59</b>	4.184	1.000	<b>93</b>	4.208	1.006
<b>25</b>	4.180	0.999	<b>60</b>	4.185	1.000	<b>94</b>	4.209	1.006
<b>26</b>	4.179	0.999	<b>61</b>	4.185	1.000	<b>95</b>	4.210	1.006
<b>27</b>	4.179	0.999	<b>62</b>	4.186	1.000	<b>96</b>	4.211	1.006
<b>28</b>	4.179	0.999	<b>63</b>	4.186	1.000	<b>97</b>	4.212	1.007
<b>29</b>	4.179	0.999	<b>64</b>	4.187	1.001	<b>98</b>	4.213	1.007
<b>30</b>	4.178	0.999	<b>65</b>	4.187	1.001	<b>99</b>	4.214	1.007
<b>31</b>	4.178	0.999	<b>66</b>	4.188	1.001	<b>100</b>	4.216	1.008
<b>32</b>	4.178	0.999	<b>67</b>	4.188	1.001	<b>100 (gas)</b>	2.080	0.497
<b>33</b>	4.178	0.999						