

The table below indicates air pressure at elevations below and above sea level.

Altitude Above Sea Level		Absolute Barometer		Absolute Atmospheric Pressure		
<i>feet</i>	<i>meter</i>	<i>inches Hg</i>	<i>mm Hg</i>	<i>psia</i>	<i>kg/cm²</i>	<i>kPa</i>
-3,000	-915	33.27	845.1	16.34	1.149	112.7
-2,500	-763	32.70	830.6	16.06	1.129	110.7
-2,000	-610	32.14	816.4	15.78	1.109	108.8
-1,500	-458	31.58	802.1	15.51	1.091	106.9
-1,000	-305	31.02	787.9	15.23	1.071	105.0
-500	-153	30.47	773.9	14.96	1.052	103.1
0	0	29.92	760.0	14.696	1.0333	101.33
500	153	29.38	746.3	14.43	1.015	99.49
1,000	305	28.86	733.0	14.16	0.996	97.63
1,500	458	28.33	719.6	13.91	0.978	95.91
2,000	610	27.82	706.6	13.66	0.960	94.19
2,500	763	27.32	693.9	13.41	0.943	92.46
3,000	915	26.82	681.2	13.17	0.926	90.81
3,500	1,068	26.33	668.8	12.93	0.909	89.15
4,000	1,220	25.84	656.3	12.69	0.892	87.49
4,500	1,373	25.37	644.4	12.46	0.876	85.91
5,000	1,526	24.90	632.5	12.23	0.86	84.33
6,000	1,831	23.99	609.3	11.78	0.828	81.22
7,000	2,136	23.10	586.7	11.34	0.797	78.19
8,000	2,441	22.23	564.6	10.91	0.767	75.22
9,000	2,746	21.39	543.3	10.5	0.738	72.40
10,000	3,050	20.58	522.7	10.1	0.71	69.64
15,000	4,577	16.89	429.0	8.29	0.583	57.16
20,000	6,102	13.76	349.5	6.76	0.475	46.61
25,000	7,628	11.12	282.4	5.46	0.384	37.65
30,000	9,153	8.903	226.1	4.37	0.307	30.13
35,000	10,679	7.06	179.3	3.47	0.244	23.93
40,000	12,204	5.558	141.2	2.73	0.192	18.82
45,000	13,730	4.375	111.1	2.15	0.151	14.82
50,000	15,255	3.444	87.5	1.69	0.119	11.65
55,000	16,781	2.712	68.9	1.33	0.094	9.17
60,000	18,306	2.135	54.2	1.05	0.074	7.24
70,000	21,357	1.325	33.7	0.65	0.046	4.48
80,000	24,408	0.8273	21.0	0.41	0.029	2.83
90,000	27,459	0.520	13.2	0.26	0.018	1.79
100,000	30,510	0.329	8.36	0.16	0.011	1.10

TABLE 1	Changes in Standard Temperature and Pressure (in Hg) as a Function of Altitude	(Ref. 1)		TABLE 2	Boiling Point as a Function of Barometric Pressure	(Ref. 2)
Altitude (ft.)	Pressure (in. Hg)	Boiling pt. (° F)		Pressure (in. Hg)	Boiling pt. (° F)	Boiling pt. [added or reduced] (° F)
-500	30.466	212.9		27.6	208.04	-3.96
<u>0</u>	<u>29.921</u>	<u>212.0</u>		27.8	208.39	-3.61
500	29.384	211.1		28.0	208.75	-3.25
1000	28.855	210.2		28.2	209.10	-2.90
2000	27.821	208.4		28.4	209.44	-2.56
2500	27.315	207.5		28.6	209.79	-2.21
3000	26.817	206.6		28.8	210.13	-1.87
3500	26.326	205.7		29.0	210.47	-1.53
4000	25.842	204.8		29.2	210.81	-1.19
4500	25.365	203.9		29.4	211.15	-0.85
5000	24.896	203.0		29.6	211.48	-0.52
<u>5500</u>	<u>24.434</u>	<u>202.0</u>		29.8	211.81	-0.19
6000	23.978	201.1		29.921	212.00	0.00
6500	23.530	200.2		30.0	212.14	0.14
7000	23.088	199.3		30.2	212.46	0.46
7500	22.653	198.3		30.4	212.79	0.79
8000	22.225	197.4		30.6	213.11	1.11
8500	21.803	196.4		30.8	213.43	1.43
9000	21.388	195.5		31.0	213.75	1.75
9500	20.979	194.6		31.2	214.07	2.07
10000	20.577	193.6		31.4	214.38	2.38

On top of Mount Everest the pressure is about 260 mbar (26.39 kPa) so the boiling point of water is 69 C (156.2 F).