

Human Body Temperature Its Measurement And Regulation 1st Edition

[#human body temperature](#) [#temperature measurement](#) [#temperature regulation](#) [#thermoregulation physiology](#)
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Explore the fundamental principles of human body temperature, including precise measurement techniques and the complex biological mechanisms that govern its regulation. This essential resource delves into the physiology of thermoregulation, offering critical insights for understanding health, illness, and the body's intricate internal balance.

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Normal human body temperature (normothermia, eutheria) is the typical temperature range found in humans. The normal human body temperature range is typically... 35 KB (4,450 words) - 23:37, 17 February 2024

defined as a body core temperature below 35.0 °C (95.0 °F) in humans. Symptoms depend on the temperature. In mild hypothermia, there is shivering and mental... 60 KB (6,600 words) - 15:22, 10 March 2024

body in terms of its temperature. Specifically, the Stefan–Boltzmann law states that the total energy radiated per unit surface area of a black body across... 252 KB (30,933 words) - 19:47, 21 March 2024
the temperatures inside a body will vary significantly in space, while the body heats or cools over time, from a thermal gradient applied to its surface... 281 KB (31,649 words) - 19:43, 21 March 2024
concentration of the hormone melatonin, and minimum core body temperature. Human sleep-needs vary by age and amongst individuals; sleep is considered... 105 KB (12,172 words) - 13:29, 4 February 2024

rest of the body. The brain is contained in, and protected by, the skull bones of the head. The cerebrum, the largest part of the human brain, consists... 169 KB (18,798 words) - 08:20, 23 March 2024
the body temperature of the host (i.e., 37 °C for humans). However, development of the larvae in the egg stops at temperatures below 15.5 °C, and eggs... 32 KB (3,713 words) - 05:13, 10 January 2024
highly reproducible temperature—the scientists chose to redefine the standard and to perform their measurements at the temperature of highest water density... 165 KB (19,409 words) - 20:25, 20 March 2024

is heat stable and has its maximum activity at high pH. In humans, it is found in many forms depending on its origin within the body – it plays an integral... 50 KB (5,766 words) - 06:54, 10 February 2024
atmospheric pressure matches the vapor pressure of water at the temperature of the human body is called the Armstrong line, named after American physician... 124 KB (12,503 words) - 18:36, 21 March 2024

"Celestial body irradiance determination from an underfilled satellite radiometer: application to albedo and thermal emission measurements of the Moon... 251 KB (24,313 words) - 15:39, 21 March 2024
human ear's response to sound, although the measurement is still in dB (SPL). These measurements usually refer to noise and its effects on humans and... 75 KB (9,150 words) - 16:00, 13 March 2024
animals to humans. It metabolizes quickly in the body, breaks down rapidly, is not persistent and does not accumulate in the body." The twelfth edition of NTP... 88 KB (8,159 words) - 09:25, 22 March 2024
their body temperature through panting. (See also: Dog Anatomy §Temperature regulation) Dogs do not consistently age seven times as quickly as humans. Aging... 542 KB (55,041 words) - 15:55, 22 March 2024

energy-consuming organ of the body, and the most specialized, responsible for endocrine regulation, sensory perception, motor control, and the development of intelligence... 130 KB (15,433 words) - 20:16, 22 March 2024

chemiluminescence from human blood plasma. 1st internet conference on photochemistry and photobiology. Bischof M. "Bibliography on biophoton research and related subjects"... 17 KB (1,906 words) - 23:20, 7 January 2024

Boerio-Goates J (1991), "Heat-capacity measurements and thermodynamic functions of crystalline α -D-glucose at temperatures from 10K to 340K", J. Chem. Thermodyn... 122 KB (12,921 words) - 05:32, 23 March 2024

manganese (α Mn) is the equilibrium phase at room temperature. It has a body-centered cubic lattice and is unusual among elemental metals in having a very... 84 KB (9,465 words) - 10:36, 14 March 2024
analyzed with a gas chromatograph. The measurement of benzene in humans can be accomplished via urine, blood, and breath tests; however, all of these have... 91 KB (9,452 words) - 00:44, 17 March 2024

powerful new measurement techniques such as neuroimaging (e.g., fMRI, PET, SPECT), EEG, MEG, electrophysiology, optogenetics and human genetic analysis... 101 KB (8,046 words) - 17:49, 20 March 2024