

Absolute Zero Answers

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Absolute Zero Answers

Absolute zero is the theoretical temperature at which all substances have zero thermal energy. So it is the lower limit on any temperature scale.Originally conceived as the temperature at which an ...

What is absolute zero? - Answers

About This Quiz & Worksheet: Absolute zero is the lowest possible temperature of a substance, when its molecules are almost completely immobile.

Quiz & Worksheet - Absolute Zero | Study.com

Absolute zero, temperature at which a thermodynamic system has the lowest energy. It corresponds to minus 273.15 degrees Celsius and to minus 459.67 degrees Fahrenheit. While all molecular movement does not cease at absolute zero, no energy from that motion is available for transfer to other systems.

absolute zero | Definition & Facts | Britannica

Absolute zero is defined as precisely 0 K on the Kelvin scale, which is a thermodynamic (absolute) temperature scale, and -273.15°C on the Celsius scale. Absolute zero is also precisely equivalent to 0 °R on the Rankine scale (also a thermodynamic temperature scale), and -459.67 °F on the Fahrenheit scale.

Absolute Zero? | Yahoo Answers

Absolute zero has never been induced by science. since heat is the kinetic energy (movement) of molecules, absolute zero is zero heat, zero kinetic energy, zero movement. if the molecules aren't moving at all, all real substances will become solids. An ideal gas has volume directly related to temperature, so at T=0, it would have zero volume.

Absolute zero? | Yahoo Answers

User: Absolute zero is shown as 0 on which scale? a. Fahrenheit b. Celsius c. Kelvin d. Centigrade Weegy: Absolute zero is shown as 0 on the Kelvin scale. User: The more particles a substance has at a given temperature, the more thermal energy it has.

Absolute zero is shown as 0 on which scale? a. Fahrenheit ...

i know they have set a tempreture for it but how do they know its absolute zero? like what if they do reach the supposed absolute zero and its not. like how do they know its absolute zero. Answer Save. 3 Answers. ... Get your answers by asking now. Ask Question + 100. Join Yahoo Answers and get 100 points today. Join. Trending Questions.

what is absolute zero? | Yahoo Answers

what is absolute zero? | Yahoo Answers The theoretical volume is zero and the kinetic energy is zero. By graphing the relationship between volume and temperature in degrees C the line can be extended to a point on the line where the volume equals zero. The point where the line for volume equals zero is defined as absolute zero or approximately -273 degrees C.

What is Absolute zero (or 0 Kelvin)? | Socratic

Absolute zero in Kelvin Temperature Scale is 273.15K. Kelvin (K) is actually the same scale as Celsius (C), but whereas Celsius is set such that zero Celsius is the freezing point of water, the ...

What is absolute zero in kelvin? - Answers

Absolute zero is the lowest limit of the thermodynamic temperature scale, a state at which the enthalpy and entropy of a cooled ideal gas reach their minimum value, taken as zero kelvins.The fundamental particles of nature have minimum vibrational motion, retaining only quantum mechanical, zero-point energy-induced particle motion.The theoretical temperature is determined by extrapolating the ...

Absolute zero - Wikipedia

Absolute zero is the lowest limit of the gas in Kelvin is proportional to the average kinetic energy of the gas molecules; therefore V ∝ TK I.e. the volume of the gas is proportional to the absolute temperature of the gas. If the average kinetic energy of the gas molecules were to become zero, then the volume of the gas would also be zero.

EXPERIMENT 6: ABSOLUTE ZERO

Well, the reason "absolute zero" is the lowest possible temperature is because that is the point where there is no atomic movement [i.e- the atoms of the substance don't move at all]Heat is created when atoms move]. The more the atoms move, the more heat. The less they move, the less heat.

Is there an opposite to "absolute zero"? | Yahoo Answers

Absolute Zero is 0 degrees Kelvin; we know that this is absolute zero because 0 degree kelvin is defined as absolute zero, not the other way around. They couldn't know if they reached it because they never will reach it, as the third law of thermodynamics says absolute zero is not obtainable in a finite number of steps (and it is impossible to practically have an infinite number of steps).

What is absolute zero? | Yahoo Answers

FBS NOVA - Absolute Zero, Conquest of Cold. This is the first of a two-part NOVA documentary special covering the ability of humans to generate cold. I show this episode because it does an excellent job of outlining some of the major experiments and inventions that allowed us to control heat and cold, including the thermometer and refrigerator.

FBS NOVA - Absolute Zero, Conquest of Cold Worksheet ...

Choose the incorrect answer below concerning absolute zero. 1. lowest possible temperature 2. theoretical temperature at which gas molecules have no kinetic energy 3. is equal to 0°C 4. is equal to 0 K

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Absolute zero is 0 Kelvin (K), or -273.15 C. It refers to the theoretical temperature at which even the most elementary particles lose enough energy to stop moving. It has never been reached, but it can be approached within a few millionths of a degree in laboratories.

What is Absolute Zero? | Yahoo Answers

Absolute zero is the lowest temperature that is theoretically possible, at which the motion of particles which constitutes heat would be minimal. It is 0 kelvin equivalent to -273.15 degrees ...

What happens to water at absolute zero? | Study.com

For the last question (is it possible for matter to have zero volume) push student thinking towards the definition of density as well as the properties of matter this will help to set the stage for them to make the connection between the need for the Kelvin Scale and absolute zero with zero volume.

Eighth grade Lesson Absolute Zero | BetterLesson

This answer is pretty close to Cort Ammon's (Cort Ammon seems to be dividing by how much you measured your water to be above absolute zero, rather than how much it actually is). My reasoning: How can you calculate absolute zero to be 15K? 0K is defined as absolute zero.