Specific energy definition

Thermodynamics is the study of the relations between heat, work, temperature, and energy. The laws of thermodynamics describe how the energy in a system changes and whether the system can perform useful work on its ...

Definition of Calorie (IT)/gram/°F Calorie (IT) per gram per degree Fahrenheit (cal/g°F) is a unit of specific heat capacity used primarily in the field of thermodynamics. It quantifies the amount of ...

Battery Capacity is the measure of the total energy stored in the battery and it helps us to analyze the performance and efficiency of the batteries. As we know, a battery is defined as an arrangement of electrochemical cells ...

Heat, energy that is transferred from one body to another as the result of a difference in temperature. If two bodies at different temperatures are brought together, energy is transferred--i.e., heat flows--from the hotter body ...

Calorie, a unit of energy or heat variously defined. The calorie was originally defined as the amount of heat required at a pressure of 1 standard atmosphere to raise the temperature of 1 gram of water 1° Celsius. Since 1925 ...

Latent heat is the heat required to transform a solid into a liquid or vapour phase. It is known by several names depending on its phase, such as the heat of condensation, the heat of vaporization, and so on. It can also refer to ...

What are Joule/kilogram/°C and Btu (th)/pound/°R Definition of Joule/kilogram/°C Joule/kilogram/°C represents a unit of specific heat capacity, indicating the amount of energy ...

The higher the value, the more energy the substance can absorb, which is vital in applications like heating and cooling systems, material science, and energy efficiency calculations. Definition of ...

Potential energy in physics is the energy that an object possesses as a result of its position. The term Potential Energy was first introduced by a well-known physicist William Rankine, in the 19th century. Gravitational Potential ...

Biomass, the weight or total quantity of living organisms of a species (species biomass) or of all the species in a community (community biomass), commonly referred to a unit area or volume of habitat. It is also the ...

What is Potential Energy? Potential energy is defined as the energy stored by an object due to its arrangement,

state or position. Potential energy is different from kinetic energy in many ways like, kinetic energy is the energy of ...

Definition of Kilogram-force Meter/kilogram/K Kilogram-force Meter/kilogram/K is a unit of specific energy used to describe the energy required to move a kilogram of mass over a meter against ...

Specific heat capacity, often denoted as c, quantifies the amount of heat energy required to raise the temperature of one gram of a substance by one degree Celsius (or one Kelvin). This ...

What are Kilojoule/kilogram/K and Btu (IT)/pound/°R Definition of Kilojoule/kilogram/K Kilojoule per kilogram per Kelvin (kJ/kg/K) is a derived unit that measures specific heat capacity. It ...

Electrical potential energy is the cumulative effect of the position and configuration of a charged object and its neighboring charges. The electric potential energy of a charged object governs its motion in the local electric ...

Metabolism, the sum of chemical reactions that take place in living cells, providing energy for life processes and the synthesis of cellular material. Living organisms are unique in that they extract energy from their ...

Uranium, radioactive chemical element of the actinoid series of the periodic table, atomic number 92. It is an important nuclear fuel. It is a dense, hard metallic element that is silvery white in color. It is ductile, malleable, and ...

Renewable energy, usable energy derived from replenishable sources such as the Sun (solar energy), wind (wind power), rivers (hydroelectric power), hot springs (geothermal energy), tides (tidal power), and biomass ...

What are Joule/kilogram/°C and Btu (th)/pound/°F Definition of Joule/kilogram/°C Joule per kilogram per degree Celsius (J/kg°C) is a unit of specific heat capacity. It quantifies the ...

SPECIFIC is a UK Innovation and Knowledge Centre (IKC), accredited by UKRI, leading in energy technology research and full-scale demonstration. Our vision is a world in which "Active Buildings" can generate, ...

Web: https://ichipcorp.co.za