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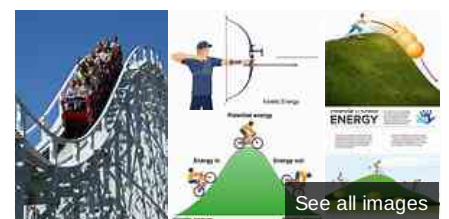
Definition of Kinetic energy. 1. Noun. (physics) The energy possessed by an object because of its motion, equal to one half the mass of the body times the square of its velocity. ¹.

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Kinetic energy

In physics, the kinetic energy of an object is the energy that it possesses due to its motion. It is defined as the work needed to accelerate a body of a given mass from rest to its stated velocity. Having gained this energy during its acceleration, the body maintains this kinetic energy unless its speed changes.

Wikipedia

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What is energy in physics?



What is the definition of kinetic?



Is light potential or kinetic energy?

Kinetic Energy - Physics

www.physicsclassroom.com/class/energy/Lesson-1/Kinetic-Energy

Kinetic energy is the energy of motion. An object that has motion - whether it is vertical or horizontal motion - has kinetic energy. There are many forms of kinetic energy - vibrational (the energy due to vibrational motion), rotational (the energy due to rotational motion), and translational (the energy due to motion from one location to another).

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What is kinetic energy? (article) | Khan Academy

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Kinetic energy depends on the velocity of the object squared. This means that when the velocity of an object doubles, its kinetic energy quadruples. A car traveling at 60 mph has four times the kinetic energy of an identical car traveling at 30 mph, and hence the potential for four times more death and destruction in the event of a crash.

Kinetic energy - Wikipedia

https://en.wikipedia.org/wiki/Kinetic_energy

In physics, the kinetic energy of an object is the energy that it possesses due to its motion. It is defined as the work needed to accelerate a body of a given mass from rest to its stated velocity. Having gained this energy during its acceleration, the body maintains this kinetic energy unless its speed changes.

Derivations from other quantities: $\hat{\epsilon}$ SI unit: **joule** (J)

Common symbols: KE, $E_{\hat{\epsilon}}$, or T

[History and etymology](#) · [Overview](#) · [Newtonian kinetic energy](#)

Kinetic energy | Define Kinetic energy at Dictionary.com

www.dictionary.com/browse/kinetic-energy

kinetic energy noun the energy of motion of a body, equal to the work it would do if it were brought to rest The translational kinetic energy depends on motion through space, and for a rigid body of constant mass is equal to the product of half the mass times the square of the speed.

kinetic energy | Definition & Formula | Britannica.com

<https://www.britannica.com/science/kinetic-energy>

Accordingly, rotational kinetic energy is equal to one-half the product of the moment of inertia and the square of the angular velocity, or $1/2 I \omega^2$. The total kinetic energy of $\hat{\epsilon}$

Kinetic Energy Definition - ThoughtCo

<https://www.thoughtco.com/definition-of-kinetic-energy-604552>

Learn the **definition kinetic energy**, as used in chemistry, chemical engineering, and physics, plus get an example.

Physics for Kids: Kinetic Energy - Ducksters

www.ducksters.com > Science > **Physics for Kids**

Kinetic energy is the energy an object has due to its motion. As long as an object is moving at the same velocity, it will maintain the same kinetic energy. The kinetic energy of an object is calculated from the velocity and the mass of the object.

Kinetic energy - definition of kinetic energy by The Free ...

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(General **Physics**) the **energy** of motion of a body, equal to the work it would do if it were brought to rest. The translational **kinetic energy** depends on motion through space, and for a rigid body of constant mass is equal to the product of half the mass times the square of the speed.

Kinetic Energy and the Work-Energy Theorem “ College Physics

<https://opentextbc.ca/.../kinetic-energy-and-the-work-energy-theorem>

Work Transfers **Energy**. What happens to the work done on a system? **Energy** is transferred into the system, but in what form? Does it remain in the system or move on?

Potential Energy - Physics

www.physicsclassroom.com/class/energy/Lesson-1/Potential-Energy

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