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Title: Why can't energy be created or destroyed

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Can energy be destroyed?

To answer the question of whether energy can be destroyed, we must first explore one of the most fundamental principles in physics: the Law of Conservation of Energy. This law states quite simply that energy cannot be created or destroyed in an isolated system; it can only change from one form to another.

Can energy be created or destroyed in an isolated system?

Energy cannot be created or destroyed in an isolated system, according to the rule of conservation of energy, a fundamental tenet of physics. It can only switch from one form to another instead.

What happens if energy is lost?

But in reality, that energy is simply converted into forms that are less obvious or harder to detect. Some key points to remember are: i. Energy that appears lost is usually transformed into heat, sound, or other subtle forms. ii. This transformed energy spreads out, often becoming less concentrated and therefore less useful. iii.

Does energy disappear?

The energy doesn't disappear- it just changes form. This constant transformation keeps our world running, from the tiniest atoms to the biggest stars. Energy takes many forms and can change from one type to another. It's all around us and drives everything we see and do.

Energy can be neither created nor destroyed but only changed from one form to another. This principle is known as the conservation of energy or the first law of ...

This law states quite simply that energy cannot be created or destroyed in an isolated system; it can only change from one form to another. ...

Is the answer different in Newtonian and in relativity physics? Please say also if, in principle, it is acceptable/accepted that: a) energy is not conserved (destroyed), and b) energy can be created. If ...

That's because there's negative energy associated with gravitational attraction. Add positive to an equal amount of negative, and you get zero. So saying energy can't be created or destroyed just means ...

Why can't energy be created or destroyed

5 We usually say that the ultimate source of energy for earth is the Sun. So this means that sun creates energy but according to the law of the conservation of energy energy can neither be created nor ...

Matter can be created and destroyed! The conditions required to do it don't happen in everyday life, which is why we have the "law of conservation of mass", but those conditions can ...

The conservation of energy says that it can neither be created nor be destroyed, it can only be transferred from one form to another. I had this doubt in my mind for a long time that why do ...

Closed 7 years ago. The first law of thermodynamics states that energy cannot be created. If that's the case, how did the universe come into existence? I mean, doesn't that require ...

Energy cannot be created or destroyed in an isolated system, according to the rule of conservation of energy, a fundamental tenet of physics. ...

I've heard a lot of times that energy cannot be created or destroyed. I get this in a nonfundamental way, a car's energy in the form of gas is transferred into another type of energy ...

Here, Feynman explains that energy is not merely "the capacity to do work," but an abstract quantity that is always conserved.

Energy can be neither created nor destroyed, but can change form; for instance, chemical energy can be converted to kinetic energy. What is the reason behind this Law: is there a proof that we can't destroy ...

Also, that they can be destroyed using pair annihilation. We also know that charge is a physical property which can be associated with electrons. My question is why can't charges be ...

Perpetual motion machines can't work because of the laws of thermodynamics. These laws say energy can't be made or ...

My physics instructor told the class, when lecturing about energy, that it can't be created or destroyed. Why is that? Is there a theory or scientific evidence that proves his statement true or f...

To scientists, energy conservation does not mean saving energy. Instead, the law of conservation of energy says that energy is neither created nor destroyed. When people use energy, ...

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