

5th Grade Science

FORMS OF ENERGY

STUDY GUIDE

Aligned to Virginia SOL 5.2

Science SOL 5.2: Forms of Energy

Comprehension: Energy can move in different ways, it can be transformed from one form to another, but it cannot be created or destroyed.

Energy is the ability to cause change or do work. Energy can be transferred from one object to another object.

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electrical energy	mechanical energy	thermal/light energy	chemical energy	sound energy
energy that flows through an electrical circuit	energy in motion	energy in the form of heat or light that we can see	energy in the bonds of atoms	energy in the form of vibrations
				
- computer - television - air conditioning	- rolling ball - moving cart - swing in motion	- boiling water - lightbulb - stove	- batteries - food in muscles - gas in a car engine	- radio - speakers - music - whistleblowing

Classroom Connections

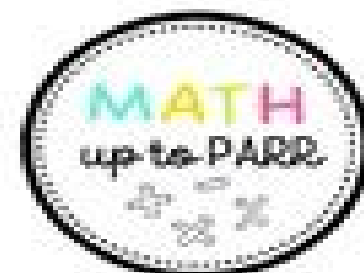
Energy cannot be created or destroyed. However, it can transform from one form into another. For example, when you turn on a fan, the electrical energy is transformed into the mechanical energy of the fan blades moving. When you turn on a light, the electrical energy is transformed into the light energy.

Energy can move from one place to another, such as through a wire, or through sound, light, or waves in water.

Energy can change from one form to another, such as when it is transformed from one form to another. For example, when you turn on a fan, the electrical energy is transformed into the mechanical energy of the fan blades moving. When you turn on a light, the electrical energy is transformed into the light energy.

Here are some other examples of energy transformations:

light	heat	sound
electrical energy	mechanical energy	chemical energy
thermal energy	radiant energy	kinetic energy



Energy Study Guide 5th

Rosalie T. Ruegg



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Energy Study Guide 5th Book Review: Unveiling the Magic of Language

In an electronic era where connections and knowledge reign supreme, the enchanting power of language has been apparent than ever. Its capability to stir emotions, provoke thought, and instigate transformation is actually remarkable. This extraordinary book, aptly titled "**Energy Study Guide 5th**," written by a very acclaimed author, immerses readers in a captivating exploration of the significance of language and its profound impact on our existence. Throughout this critique, we will delve to the book's central themes, evaluate its unique writing style, and assess its overall influence on its readership.

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