Energy

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What is Energy?

Energy is the ability to do work. That means that something can move despite another force acting upon it. The force is often always called *gravity*.

There are different types of energy. These are called *Potential Energy* and *Kinetic Energy*.

What is Potential Energy?

Potential Energy is energy that is stored. Energy can be stored in many different ways.

- Milk sitting in a carton is stored energy
- A ball at the top of a throw is stored energy
- Water sitting in a lake is stored energy

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All of these different types of energy would "do work" if they were released.

What is Kinetic Energy?

Kinetic Energy is energy in motion. There are many different examples of energy in motion:

- A rollercoaster
- A car driving down the street
- Moving bodies of water

Even though you can't see electricity and the wind, they are moving! These are two more examples of kinetic energy.

Glossary

Energy: The ability to do work.

Potential Energy: Energy that is stored.

Kinetic Energy: Energy in motion.

Gravity: A force acting upon objects.

*rolling down a hill is a great example of kinetic energy

Questions:

What type of energy is it?
  Place an X next to the correct type!

	Potential	Kinetic
Driving your car down the street		
Sledding down a hill		
The water sitting in your cup		
A ball at the top of its trajectory		
A lake		
The wind blowing through the trees		

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Common Core State Standards

RI.5.3→ Explain the relationships or interactions between two or more individuals, events, ideas, or concepts in a historical, scientific, or technical text based on specific information in the text.

RI.5.4→ Determine the meaning of general academic and domain-specific words and phrases in a text relevant to a grade 5 topic area.

RI.5.7→ Draw on information from multiple print or digital sources, demonstrating the ability to locate an answer to a question quickly or to solve a problem.

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