

Bill Nye Video: Energy

Important Concepts: Energy is needed to make things move.

Energy can be converted from one form to another.

Water Tank

_____ is done when lifting up the water, giving the water in the tank _____ energy. When the water moves downward, _____ energy is converted into _____ energy when turbines spin. This is a model of a hydroelectric power plant.

Airplane Model

The rubber band stores _____ energy which is converted into _____ energy when it flies.

Baking Soda and Vinegar

_____ energy is converted into _____ energy.

Bowling Ball on a Rope

Pulling the bowling ball back gives it _____ energy.

When it is let go, this energy is converted into _____ energy.

Coal Plants and Hydroelectric Plants

_____ energy of steam from burning coal or the moving water spin turbines.

The _____ energy of the moving turbines is converted into _____ energy in the generator.

Wind Mills

_____ energy is converted into _____ energy.

Oil

Oil stores potential energy in the form of _____ energy.

Burning Logs

_____ energy is turned into _____ energy and _____ energy.

People

Bill Nye gets energy from _____. This allows him to play racket ball and ride his bike. When exercising, some of the energy is converted into _____ energy...making you feel hot.

Whenever energy is converted from one form to another, some of the energy is always turned into _____ energy.