

Name _____ Hour. _____ Date _____

Bill Nye, the Science Guy!
ENERGY

When energy is stored, we call it _____ energy. When energy is moving, we call it _____ energy.

Lifting the tank of water gave it _____ energy. This energy was converted into _____ energy when the water flowed down the tube. The water was used to power a generator, creating _____ energy.

The cork popped off the bottle because _____ energy was changed to _____ energy.

Three substances that can make electricity are: 1) _____, 2) _____, and 3) _____.

A laser converts _____ energy into _____ energy.

How much of the energy stored in food is used for movement? _____
What happens to the rest of the energy? _____

Thought Questions:

1. Why didn't the pendulum hit Bill Nye in the face?
2. What do you have to do to make the pendulum move further?
3. What kinds of energy transfers are involved in making popcorn?
4. Why do we need to conserve energy for the environment?