

Non-Renewable Energy Review

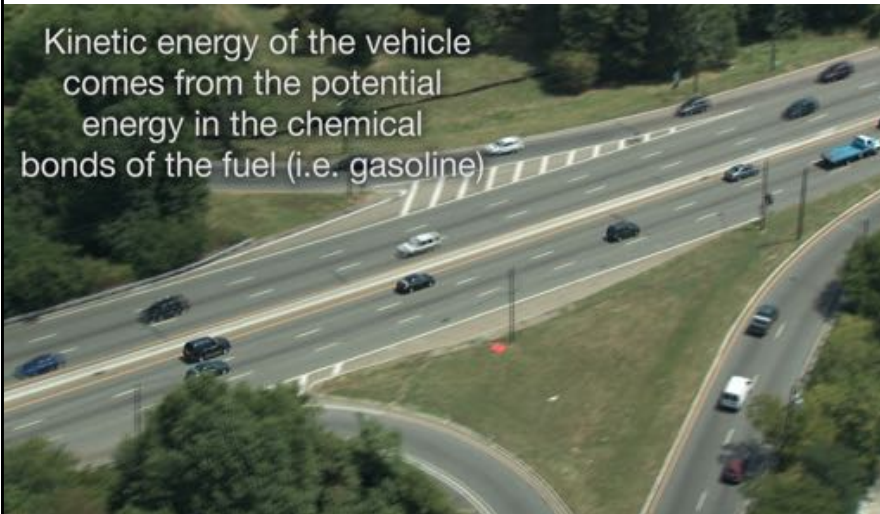


Intro to Environmental Science

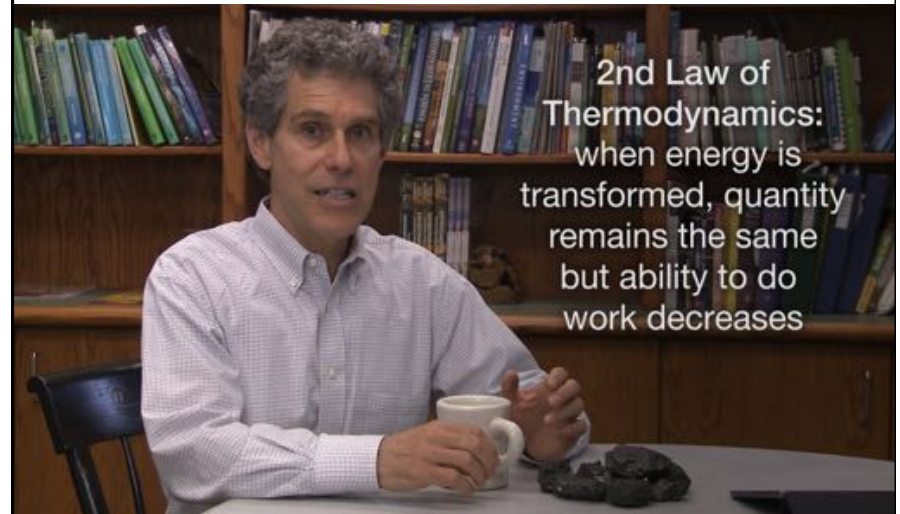
DartmouthX

1st Law of Thermodynamics:
energy can neither
be created nor
destroyed, only
transformed from
one form to another

Kinetic energy of the vehicle
comes from the potential
energy in the chemical
bonds of the fuel (i.e. gasoline)

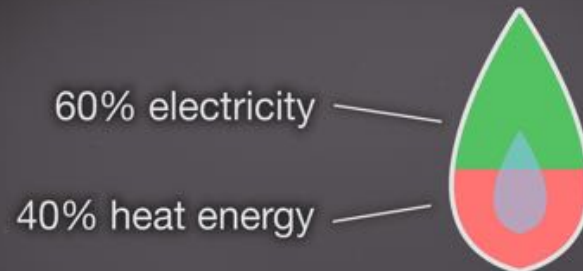


2nd Law of Thermodynamics:
when energy is
transformed, quantity
remains the same
but ability to do
work decreases





Efficiency of electrical generation
using coal as a fuel



Efficiency of electrical generation
using natural gas as a fuel

