

	Topic/Objective: The Conservation of Energy	Name:
		Class/Period:
		Date:

Essential Question: What is the guiding principle behind the behavior of energy?

Questions:	Notes:
	P1: Energy is never "used up" instead it is...transformed into another. type of energy.
	P2: The energy in oil comes from...dead plants & animals The energy in Plants originally came from...the sun while the energy in animals comes From...food . When oil burns the...Chemical potential Energy is ...released as thermal energy.
	P3: not all of the chemical potential energy from the oil was released as thermal Energy. Some of the potential energy was released as... light and sound
	"Lost energy" is really... energy that is not used how we want it
	P4/5: The Law of Conservation of Energy is...one of the central principles in science and applies to many disciplines.
	P6: This type of energy is almost always lost during an energy transformation... Thermal
	An example of this is...a hot light bulb
	P7: This type of energy is the most difficult to convert into useful energy... thermal

Summary:

Questions:

Notes:

P8/9: Energy Efficiency is... the ratio of useful

energy that is released to the ~~ex~~ total energy. $\text{useful} : \text{total}$

An example of energy efficiency is... a car's engine.

$$\text{useful} : \text{total} \\ 26\% : 100\%$$

In the car example, only this percent of the original chemical potential energy

Actually moves the car... 3%

P10: Energy Conservation means... to reduce or save the total energy transformed in the first place.