

Ensci 26.1

Goals: Describe and compare different energy sources for transportation and/or electricity

Plan:

Jeopardy review: Energy

HW: article on biofuels. Read and respond to questions

Ensci 26.2

Goals: Describe how we study energy creation. Calculate the energy of a reaction in the form of heat

Plan:

Class discussion: can we create energy out of nothing?

How energy is related to heat $Q = m \times C \times T(\text{change})$

Compare and contrast exothermic and endothermic reactions

Guided practice: calculating heat energy from a reaction

Individual practice: specific heat worksheet

HW: specific heat worksheet completion

Ensci 26.3

Goals: investigate and calculate heats created from reactions and processes

Plan: See lab (thermochemistry lab adapted for environmental science)

HW: Complete post-lab questions