

Name _____ Period _____ Date _____

Energy Internet Activity

Go to the following website:

<http://www.energyquest.ca.gov/index.html>

This is the main page for the Energy Quest website. Follow the directions below and answer all questions. As you go from one section to another you will need to go back to this main page.

- 1) Click on the computer and this will lead you to the "Energy Story".
- 2) Read the introduction to the story and then answer the following questions.
 - A) Predator animals eat their prey, which gives the predator animals _____.
 - B) When we eat, our bodies transform the energy stored in the _____ into energy to do _____.
- 3) Read through chapter 1 of the "Energy Story". Answer the following questions.
 - A) What is another name for light energy? _____
 - B) List three things that you could do if you ate a piece of buttered toast.
 1. _____
 2. _____
 3. _____
 - C) Can energy be created or destroyed? _____
 - D) List three ways that thermal (heat) energy can move.
 1. _____
 2. _____
 3. _____
- 4) Feel free to browse any of the other chapters of the "Energy Story".
- 5) Go back to the main page and click on the clock. This will lead you to the "Energy Time Machine".

6) Browse the dates and answer the following questions.

- A) What kind of lamps did they use in 40,000 BCE? _____
- B) In 1340, what was used to pump water in Holland? _____
- C) In 1641, the Grand Duke of Tuscany invented a _____.
- D) What was invented in 1714? _____
- E) What is marketed for the first time in 1909? _____

7) Go back to the main page and click on the legos. This will lead you to the "How it Works" page.

8) Click on "How Does Fire Work?" and answer the following question.

- A) Fire is a chemical process. Three things are needed for this process:
_____, _____ and _____.

9) Go back to the "How it Works" page. Click on "How Does a Thermometer Work?" and answer the following questions.

- A) Fahrenheit is named after _____, a German physicist.
- B) The Celsius scale is named after _____.
- C) Kelvin is named after Lord Kelvin, whose full name is Sir _____, Baron Kelvin of Largs, Lord Kelvin of Scotland.

10) If you have extra time, click on the calculator. This will bring you to the games and puzzles section.

You may choose any of the following games to play or puzzles to complete:

- Watt's That
- Energy Cryptograms
- Test Your Energy IQ

If you have extra time, you may also go to the bottom of the main page and click on "Devoured by the Dark". This is an online story. Feel free to read it!

11) If you still have extra time, take a few minutes to browse these two websites.

Funergy- <http://www.cwndesign.co.uk/funergy/>
Dr. E's Energy Lab- <http://www.eere.energy.gov/kids/>