

Name: _____
 Mr. Willis
 Conceptual Physics: _____
 Date: _____

Unit VI
 Thermal Energy and Heat
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VI

The Coal Chain

Objective: To understand how coal is formed and how it is burned for energy.

Directions: Prepare cards as outlined below.

Using color and design make one card for each step in the coal chain.

On the back of the card write the idea the card is conveying.

<u>Idea</u>	<u>Symbol or drawing</u>
The sun	The sun
Mining	Pick and shovel
Plants and animals	Dinosaur or a fern plant
Time (millions of years)	Clock with a cobweb
Burning	Smoke stack or a flame
Boiling/steam	Tank with boiling water
Electrical transmission	High voltage tower
Turbine/generator	A fan attached to a shaft
Transportation of coal	Train or RR crossing sign
Buried dead material	Arrows showing pressure on dead stuff

1. Fold paper in half, lengthwise.
2. Measure 5.6 cm from end of paper. Draw a line and cut (dotted line). Cut smaller piece in half along fold
3. Repeat three more times so that you have cut 10 pieces of paper that measure 5.6 cm by 11 cm.

