

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

Unit V
Energy
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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, design and draw one card for each of the 10 steps in the coal chain.

On the back of the card write the idea the card is conveying. Once the cards are complete, paste them to the back of this sheet in the order that they occur in nature.

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

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.



