



The Coking Process

* Define the term and explain the process used to create coke. Describe how coal is transformed into the coke necessary for use in the steelmaking process. Illustrate the process and label the important parts.

* There are two main processes used to create coke. The first process used a beehive oven. That process was replaced by a process that used by-product ovens.

- choose one of the processes; explain how it is used to change coal into coke for use in steelmaking; create a drawing to illustrate the beehive oven process or the by-product oven process;

- compare and contrast the two processes; explain how they are alike; explain the differences and explain why the beehive oven was replaced by the by-product oven.

* Some of the by-products of the coke making process include the following: naphtha, nitric acid, benzene, and cyanogens. Use a variety of resources to find out what the by-products can be used to make. Identify some of the products and explain what they can be used for.

* Create a visual display of the coking process. Draw a poster, mural, or timeline, or make a model, diorama, brochure, or any other type of visual display. Label all of the important parts of the process to explain how coke is made.