

Overview

In this activity you will start to study about various specific types of welding. You will also begin working with the Weld-Trainer. You will reach the following objectives:

1. Discover oxyacetylene welding.
2. Recognize a variety of welded joints.
3. Explore factors that affect the weld.
4. Define characteristics of the weld.
5. Identify various types of joints.
6. Recognize the advantages and disadvantages of oxyacetylene welding.
7. Weld on the Weld-Trainer.
8. Explore a career in welding.

STEP 1



Inventory

If necessary, turn on the computer and wait for it to go through its "boot up" procedure. When the Media Cruiser interface is displayed, log in, and click **Lessons, Activity 4, then Inventory**. Once you've located the various items on the list, click Yes. If you are unable to find an item, click No. Report any problems such as missing or damaged items to the instructor. You will also be required to document the items in the Inventory Journal that will appear after you click No. When you are finished, click Score It.

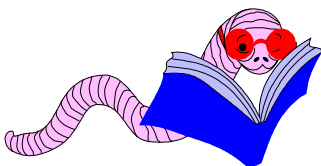
STEP 2

Vocabulary words

The key terms for this activity are listed below. Remember to look for them as you complete your work, and record the definitions as you've been instructed.

9. Burnthrough
10. Butt joint
11. Lap joint
12. Penetration

STEP 3



Read this

Oxyacetylene welding is one of the most popular types of welding processes. This type of welding is limited to thin metal sections. To better understand oxyacetylene welding and its processes, locate ***Welding Principles and Applications*** and read pages 749-753. Then read pages 757-763. Start at "Outside Corner Joint" and stop reading after you have completed the paragraph on "Tee Joint." Do not read the paragraphs concerning practices in this reading. Skip over them. Pay close attention to the particular paragraphs concerning joints.