

# **HAZARDOUS MATERIALS WARNING PLACARDS AND LABEL REVIEW EXERCISE**

**THIS INFORMATION IS APPROPRIATE FOR USE IN HAZARDOUS WASTE  
WORKER AND HAZARDOUS MATERIALS TECHNICIAN TRAINING.**

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# ***Hazardous Materials Warning Placards and Labels***

## **Lesson Plan**

*This material is appropriate for both the Hazardous Waste Worker and Emergency Response Technician, Operations, and Awareness Levels.*

### **Materials Needed:**

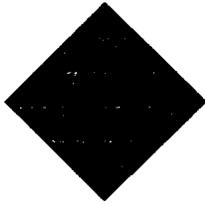
- “Hazardous Materials Warning Placards and Labels” Worksheets.
- DOT Chart 10
- Placard Set
- NFPA 704 Overhead

- 1) Handout the worksheet and ask the class to answer as many as possible without looking at the DOT Chart 10 in their folder and encourage them to work alone. Explain that this is not a test, this is a gauge for them to see how much they know about placard and label identification. Give them 15 - 20 minutes, whatever is appropriate.
- 2) After they have finished, explain there are four ways one can use the DOT placards and labels to identify the materials hazard class.
  - Background color of the placard or label
  - Symbols on the placard or label
  - Hazard class #, printed near the bottom of the placard or label
  - Hazard class name or UN# printed in the center of the placard or label
- 3) Go over the worksheet, asking the class to respond to each. Use the placard set to discuss the answers and show other placards in the same hazard class. Also refer the class to their copy of the DOT Chart 10. When you get to questions 13, 14, & 15, make sure you point out Table One and Table Two on the back of the DOT Chart 10.
- 4) Use the NFPA 704 overhead to describe the system. (Question 18 & 19)  
**Note:** Reactivity Rating, this rating is based upon the chemicals reactivity with air or water, or its ability to spontaneously decompose. This rating can understate the chemicals ability to react with other chemicals.
- 5) After you finish going over the worksheet, there are other things highlighted on the Chart 10 in the instructor folder to mention.
  - Under Labels - Symbol for etiological agents
  - Subsidiary risk labels/placards
  - Transition -2001 labels (explained on the back under labels column)
  - Dangerous Placard
  - Placards on back, that can be used for Highway transportation only, until Oct. 1, 2001. (This is where the ~~W~~ comes in to play.)

## ***Hazardous Materials Warning Placards and Labels***

**Answer the following questions as directed below:**

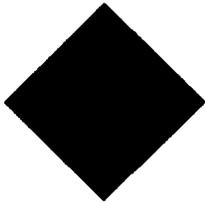
1. Hazard Class identified by a solid orange placard:



\_\_\_\_\_

2. Combustible placard is which color: \_\_\_\_\_

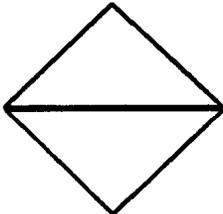
3. Identified by a solid green placard:



\_\_\_\_\_

4. An Oxidizer is identified by which color: \_\_\_\_\_

5. Identified by a yellow and white placard:



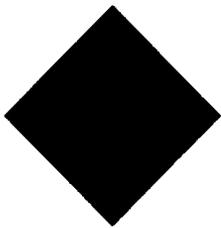
\_\_\_\_\_

14. Name one example of a hazardous material that has to be placarded in any quantity:

\_\_\_\_\_

15. If a truck contains less than 454 kg (1,001 lbs) of hazardous materials listed in Table 2, is a placard required? \_\_\_\_\_

16. Identified by a solid blue placard:



\_\_\_\_\_

17. There are nine different DOT hazard classes. Name them.

<u>Class</u>	<u>Name of Class</u>
1	_____
2	_____
3	_____
4	_____
5	_____
6	_____
7	_____
8	_____
9	_____