

Adaptations and Alternative Activities for English Language Learners

Label Reading

Lesson 2



Adaptations and alternative classroom activities for English Language Learners (ELL) are provided here for Lesson 2 from *Hazards on the Homefront: A Teacher's Guide to Household Hazardous Waste* for grades 6-12. The referenced ELL slides provide images intended to clarify or amplify the meaning of terms and situations, and correspond to the original slides in the guide. If you do not have a copy of the guide, you can download it at www.ecy.wa.gov/hazardsonthehomefront/guide.html.

Entry Point

Show examples of unlabeled containers and ask students to guess what's inside. For example, take the label off a full water bottle. Students might guess the clear liquid to be water, vinegar, bleach, etc. With another unlabeled water bottle, use food coloring to turn the water orange or fill the bottle with apple juice and have students guess the contents. Students might guess the orange liquid to be Pine Sol, orange soda, or gasoline. Discuss with students why labels are important and what types of information they tell us.

Principal Hazards and Signal Words

Directions

1. Define household hazardous products with students by sharing ELL slides 2.1A-2.1C which match an image to each word.
2. Review the signal words using visuals that explain each concept. Show students ELL slides 2.2-2.5 which couple vocabulary with images to represent each principal hazard. In describing "reactive," you could demonstrate the effect of combining vinegar and baking soda, two non-toxic reactive products. Show students where to look for signal words on a product label (on the front of the container).

Materials

- Two water bottles and water
- Appendix D - Sample Labels on pages 184-192 in guide, or Product Photographs PDF, or use empty product containers
- ELL slides
 - 2.1A-2.1C
 - 2.2-2.5
 - 2.6A-2.6C
- Optional: Healthy Home Tips published by the Local Hazardous Waste Management Program in multiple languages

Resources in Other Languages

- Healthy Home Tips - Print copies available in Amharic, Cambodian, Chinese, Korean, Oromo, Russian, Somali, Spanish, Tagalog, Tigrinya and Vietnamese. Contact 206-263-8899.
- Shopper's Tips for Buying Fruits & Vegetables - Print copies available in Amharic, Cambodian, Chinese, Korean, Oromo, Russian, Somali, Spanish, Tagalog, Thai, Tigrinya and Vietnamese. Contact 206-263-8899.
- What Do I Do with Unwanted Household Hazardous Products? Where Do I Bring My Hazardous Products? - Print copies available in Amharic, Cambodian, Chinese, Korean, Oromo, Russian, Somali, Spanish, Tagalog, Thai, Tigrinya and Vietnamese. Contact 206-263-8899.
- Green Cleaning Recipes - Available to download in Cambodian, Chinese, English, Spanish, and Vietnamese from www.seattle.gov/util/Services/Garbage/KeepSeattleClean/GreenCleaning/Green_Cleaning_Recipes/index.asp



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3. Use the visual of a traffic light to explain the relative degree of hazard of the signal words.
 - a. The red light represents products labeled *danger* or *poison*. If a product has one of these signal words, the buyer should stop and think whether the product is truly necessary or if there is a safer alternative.
 - b. The yellow light represents products labeled *caution* or *warning*. Although these products are safer than those labeled *danger* and *poison*, the buyer should still be aware that these products are potentially hazardous.
 - c. The green light represents products on which signal words do not appear and are considered safer alternatives to hazardous products.
4. Ask students to complete a label-reading and product-sorting activity. In this activity, students rotate through stations sorting empty product containers by their signal word(s). Once students have rotated through the stations, the teacher reviews the correct answer for each station. Materials needed include the following:
 - a. ELL slides 2.6A-2.6C representing the signal words and level of hazard.
 - b. Empty product containers, sample labels in Appendix D (pages 184-192) in the secondary guide, or Product Photographs PDF, organized by type of product. Sorting stations could include
 - laundry products that include chlorine bleach, non-chlorine bleach, and another type of detergent or stain remover.
 - a hazardous kitchen cleaner, baking soda, and a hazardous scouring powder.
 - pesticides (including weed killers) and a three-pronged weed puller.
 - a hazardous drain cleaner and a plumber's snake.

Household



Hazardous

DANGER



Products



ELL Slide 2.1C

Toxic



Corrosive



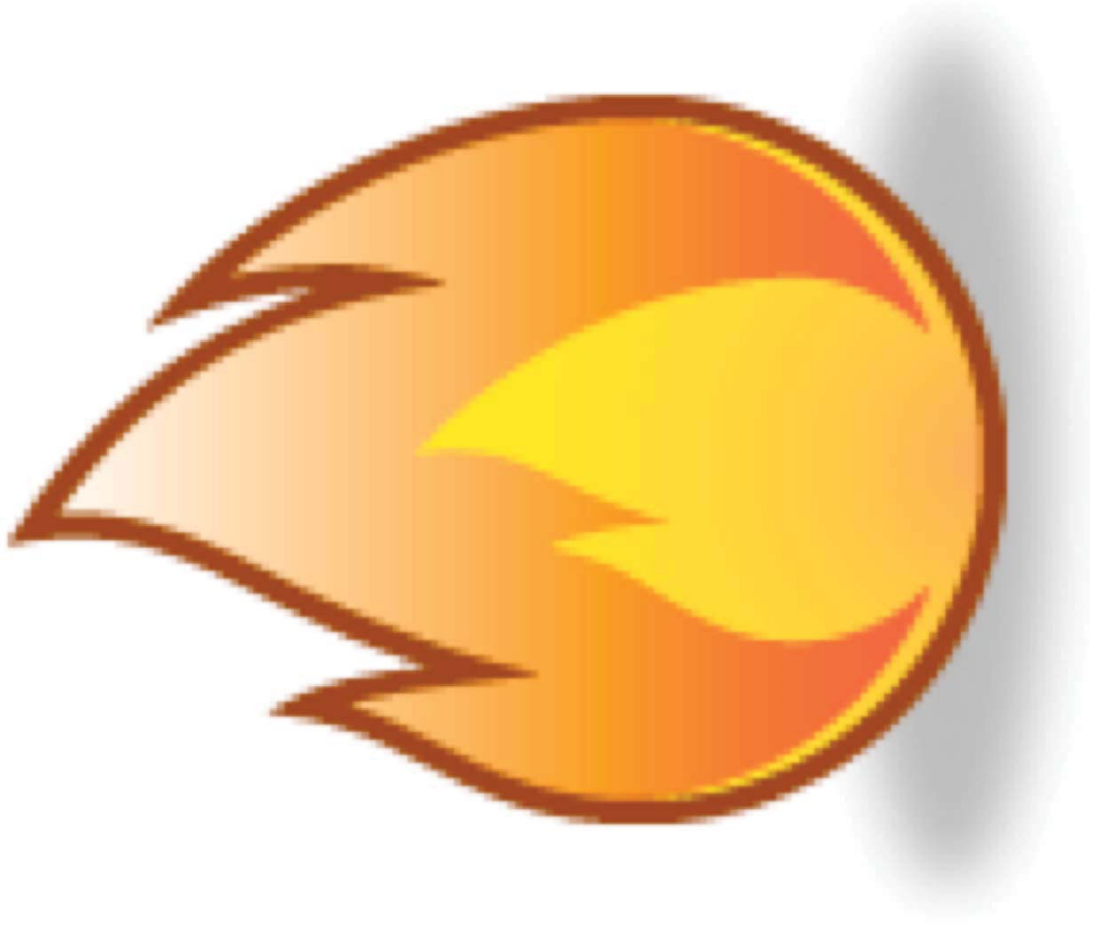
Photo from Surgeon General, US Public Health Service. Chemical Burn Alkaline2.

Reactive



bleach + ammonia = **hazardous gases**

Flammable



**DANGER /
POISON**

ELL Slide 2.6A

**CAUTION!
WARNING**

ELL Slide 2.6B

SAFER

ELL Slide 2.6C