## Adaptations and Alternative Activities for English Language Learners

# Safer Alternatives

Lesson 5

Adaptations and alternative classroom activities for English Language Learners (ELL) are provided here for Lesson 5 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.

This lesson provides a visual alternative to the first step in Investigation 5A –Safer Consumer Choices. Depending on the reading ability of your students, this activity can be followed by playing Toxic-Free Bingo.

1. Show students safer alternative products. First hold up the hazardous product, then show the safer alternative students could choose to use instead.
2. Show students ELL slides 5.1A-5.1E, images of where products are used around the home and ask them to use product labels to determine what products would be hazardous to use and what products are safest for the cleaning job described on each slide. Answers could include
   - *Clogged drains*: Lye Drain Opener (danger), Liquid Plumber (danger), Baking soda and vinegar with boiling water (safer), plumber's snake (safer), plunger (safer)
   - *Laundry*: Clorox bleach (danger), K2R Spot-lifter (danger), Oxiclean (caution), Spray and Wash spot remover (caution), club soda (safer)
   - *Wood surfaces*: Pine Sol (warning), Murphy's Oil soap (safer), vinegar (safer)
   - *All-purpose*: ammonia (caution or danger depending on concentration), Lysol disinfectant spray (caution), vinegar (safer)

**Materials**

- Empty hazardous product containers and corresponding safer alternatives or Product Photographs PDF images
- ELL slides 5.1A-5.1E
- Optional: Green cleaning recipe cards in English, Cambodian, Chinese, Spanish, or Vietnamese.

**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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- *Bathroom*: Tilex (warning), Soft Scrub (caution), Comet (caution), Bon Ami (caution), Baking soda (safer), vinegar (safer)
- *Oven*: Dow Oven Cleaner (danger), Comet (caution), Bon Ami (caution), baking soda (safer)
- Find additional suggestions of safer alternatives on page 81 of the guide.

3. Use the discussion questions on page 76 of the guide as appropriate. Additional discussion questions include
   - On ELL Slide 5.1E, we looked for products to clean the bathroom and oven. Do we need to have multiple products for different areas of our home? What is the benefit of using safer multi-purpose products?
4. Review green cleaning recipes.

## Extension

Test green cleaning recipes in the classroom or use Investigation 5B: Putting Products to the Test.

# Clogged Drains

Clogged sink, tub or toilet

ELL Slide 5.1 A

# CLOGGED DRAINS

# CLOGGED DRAINS

# CLOGGED DRAINS

# CLOGGED DRAINS

# CLOGGED DRAINS

# CLOGGED DRAINS

*Local Hazardous Waste Management Program in King County*

# Laundry

**Washing machine**

**Laundromat**

ELL Slide 5.1B

CLOROX
REGULAR
BLEACH
KEEP OUT OF REACH OF CHILDREN
DANGER: CORROSIVE
CALL A POISON CONTROL CENTER OR DOCTOR
FOR TREATMENT ADVICE.

# LAUNDRY

FOR DRY-CLEANABLE
CLOTHING,
CARPETS, UPHOLSTERY
K2r®
Spot-lifter
DANGER! EXTREMELY FLAMMABLE.
HARMFUL OR FATAL IF SWALLOWED. VAPOR
HARMFUL. EYE IRRITANT. CONTENTS UNDER
PRESSURE. Read other cautions on back panel.
NET WT. 5 OZ. (142g)

# LAUNDRY

Colorsafe &
Chlorine Free!
OXI CLEAN
THE STAIN SPECIALIST
MULTI-PURPOSE STAIN REMOVER
NET WT
24 OZ
(1.5 LB)
680g
CAUTION: HARMFUL IF SWALLOWED. KEEP OUT OF
REACH OF CHILDREN AND PETS. EYE AND SKIN IRRITANT.
See back panel for precautions.

# LAUNDRY

Spray 'n Wash
Tough Stain Remover for Laundry
Dow
NET 22 FL. OZ.
(1 PT. 6 OZ.) 650 mL
CAUTION: EYE IRRITANT. READ CAUTIONS ON BACK LABEL CAREFULLY.

# LAUNDRY

# LAUNDRY

# Wood Surfaces

Wood cabinets

ELL Slide 5.1C

# WOOD SURFACES

# WOOD SURFACES

# WOOD SURFACES

# All Purpose

ELL Slide 5.1D

PARSONS'
PARSONS'
Lemon fresh
FOR ALL WASHABLE SURFACES
AMMONIA
ALL-PURPOSE CLEANER
CAUTION: HARMFUL IF SWALLOWED.
IRRITANT. CAREFULLY READ PRECAUTIONS ON BACK.
NET 28 FL. OZ. (1 PT. 12 OZ.) (.83 liter)

# ALL PURPOSE

Original Scent
Lysol
BRAND DISINFECTANT
Concentrate
DISINFECTS CLEANS
MAKES 9 GALLONS
PET Bottle is made from 100% post consumer recycled plastic
KEEP OUT OF REACH OF CHILDREN
WARNING:
NET 12 FL. OZ. (354 mL)

# ALL PURPOSE

HEINZ
EST'D 1869
APPLE
CIDER
VINEGAR
Heinz Vinegar.
A Healthy Change
of Taste!
HEINZ
57 VARIETIES
5% Acidity
16 FL OZ (1 PT)-473 ml

# ALL PURPOSE

# Bathroom and Oven

Bathtub, shower, sink, toilet

Oven

ELL Slide 5.1E

DISINFECTS
TILEX
INSTANT
MILDEW
REMOVER
KEEP OUT OF REACH OF CHILDREN.
WARNING. EYE IRRITANT. USE ONLY IN WELL VENTILATED AREAS. SEE BACK OF LABEL FOR ADDITIONAL PRECAUTIONS.
NET 1 PT (16 FL OZ) 473 mL

# BATHROOM

# BATHROOM AND OVEN

# BATHROOM AND OVEN

# BATHROOM AND OVEN

# BATHROOM AND OVEN

# BATHROOM AND OVEN

Your Best Buy!
DOW
HEAVY DUTY
oven cleaner
DANGER: CAUSES BURNS TO SKIN AND EYES ON CONTACT. CONTENTS UNDER PRESSUE HARMFUL IF SWALLOWED

# OVEN