Introduction
Common household products have words that identify their hazard level and hazard category.

Before You Begin
Depending on the size of your class, you will need to print one to two sets of the 26 product photos included in this worksheet. Group students into teams of three to four people with at least six photos for each group to identify.

Directions:

1. Divide the class into groups of three to four students.

2. As a class, review the hazardous product properties using the Hazardous Signal Words and Product Properties Reference Sheet.

3. Distribute a minimum of six product photos to each group.

4. Review the directions and complete one sorting example together. Ask for questions before allowing students to begin.

5. For each product, look for hazardous property word(s) and signal word(s). Fill in the corresponding table with your findings. Remember, some products may have more than one hazardous property and some may have none.

6. When students have completed the Sorting Game, have them fill out the Follow up/Discovery Questions on the back of the Hazardous Signal Words and Product Properties Reference Sheet and be ready to share their findings with the rest of the class.

Follow-up Class Activity:

7. Following completion of the Follow up/Discovery Questions, allow the students about five minutes to complete the Fill-in-the-Blank vocabulary page as a team, helping students complete any unfinished sections.

8. Students who complete the Fill-in-the-Blank exercise have the option to move on to the Word Search exercise at the end of this lesson.
HOUSEHOLD HAZARDOUS WASTE

Hazardous Signal Words and Properties Reference Sheet

Hazardous Signal Words

The signal words CAUTION, WARNING, DANGER or POISON are required by law to be on household products that are hazardous.

CAUTION
Slightly toxic either orally, dermally, or through inhalation. Causes slight eye or skin irritation.

WARNING
Moderately toxic either orally, dermally, or through inhalation. Causes moderate eye or skin irritation.

DANGER
Can cause severe eye damage or skin irritation.

POISON
Highly toxic by any route of entry into the body.

Hazardous Properties

Hazardous products have one or more of the following properties (that’s what makes them hazardous):

Corrosive
Corrosives are materials that can eat away and chemically destroy materials including living tissues.

Toxic
Toxicity is the ability and strength of a substance to cause poisonous effects to living things if swallowed, inhaled, injected, or through contact with the skin.

Flammable/Combustible
Flammable or combustible materials can catch on fire at relatively low temperatures. These materials don’t always require a flame or a match to ignite. Heat, sparks, or static discharge may make them catch fire or even explode.

Reactive
Reactive materials can react with air, water, or other substances to cause fire, explosions, or toxic gases.
Student Work Sheet: Identify & Classify Hazardous Household Products

Directions

1. Examine the labels on the products. Write any hazardous property words you find and mark which signal words are present. Remember, some products may have more than one hazardous property or signal words and some products may have none.

<table>
<thead>
<tr>
<th>Product Name</th>
<th>Hazardous Property Words</th>
<th>Place an “X” to indicate the hazardous properties.</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td>CAUTION  WARNING  DANGER  POISON</td>
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<td></td>
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<td></td>
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</tr>
</tbody>
</table>

2. Now that you’ve played the Sorting Game, reflect on what you did. Here are few questions to get you thinking about any observations you may have.

i. Were you surprised that any of these products were hazardous? If so, what hazardous product surprised you most?

ii. After doing this exercise, can you identify any products in your home that you would like to replace?

iii. Have you or family been harmed by a product in your home?
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<table>
<thead>
<tr>
<th>Name of Product</th>
<th>Hazardous Property Word(s)</th>
</tr>
</thead>
<tbody>
<tr>
<td>2 Minute Remover for Paint &amp; Varnish</td>
<td>Flammable, Toxic</td>
</tr>
<tr>
<td>Ampere Time Battery</td>
<td>Flammable, Corrosive</td>
</tr>
<tr>
<td>Arm &amp; Hammer Baking Soda</td>
<td>None</td>
</tr>
<tr>
<td>Bosch Brake Fluid</td>
<td>Toxic</td>
</tr>
<tr>
<td>Cascade Platinum Plus Dishwashing Pods</td>
<td>Toxic</td>
</tr>
<tr>
<td>Chemical Guys Metal Polish</td>
<td>Toxic</td>
</tr>
<tr>
<td>Clorox Bleach</td>
<td>Corrosive</td>
</tr>
<tr>
<td>Cutex</td>
<td>Flammable</td>
</tr>
<tr>
<td>Easy-Off Degreaser</td>
<td>Corrosive, Toxic</td>
</tr>
<tr>
<td>Elmers Rubber Cement</td>
<td>Flammable, Toxic</td>
</tr>
<tr>
<td>Fluid Film Rust &amp; Corrosion Protection</td>
<td>Flammable</td>
</tr>
<tr>
<td>Heinz White Vinegar</td>
<td>None</td>
</tr>
<tr>
<td>K2r Spot-lifter</td>
<td>Flammable, Toxic</td>
</tr>
<tr>
<td>Krylon Interior/Exterior Paint</td>
<td>Flammable, Toxic</td>
</tr>
<tr>
<td>La Almona Castile Soap</td>
<td>None</td>
</tr>
<tr>
<td>Liquid-Plumr</td>
<td>Corrosive, Toxic</td>
</tr>
<tr>
<td>Austin’s Clear Ammonia</td>
<td>Toxic</td>
</tr>
<tr>
<td>Pine-Sol</td>
<td>Toxic</td>
</tr>
<tr>
<td>3-in-One Household Oil</td>
<td>None</td>
</tr>
<tr>
<td>Prestone Antifreeze</td>
<td>Toxic</td>
</tr>
<tr>
<td>Pure Lye Drain Opener</td>
<td>Corrosive, Toxic</td>
</tr>
<tr>
<td>Ronsonol Lighter Fuel</td>
<td>Flammable, Toxic</td>
</tr>
<tr>
<td>Raid Ant &amp; Roach</td>
<td>Flammable, Toxic</td>
</tr>
<tr>
<td>Tide Pods</td>
<td>Toxic</td>
</tr>
<tr>
<td>Turpentine</td>
<td>Flammable, Toxic</td>
</tr>
<tr>
<td>WD-40</td>
<td>Flammable, Toxic</td>
</tr>
</tbody>
</table>
Hazardous Product Properties

1. ______________ materials can eat away and chemically destroy materials including _______ tissues.

2. ______________ substances have the ability and strength of a substance to cause poisonous effects to ________ things if swallowed, inhaled, injected, or through contact with the ____________.

3. ______________ materials can catch on fire at relatively ____________ temperatures. These materials don’t always require a flame or a match to ignite. Heat, sparks, or static discharge may make them catch fire or even ____________.

4. ______________ materials can react with air, water, or other substances to cause fire, explosions, or _________ gases.

Signal Words

5. ______________ Slightly toxic either orally, dermally, or through inhalation. Causes slight _____ or skin irritation.

6. ______________ Moderately toxic either orally, dermally, or through inhalation. Causes moderate eye or _________ irritation.

7. ______________ Can cause ____________ eye damage or skin irritation.

8. ______________ Highly toxic by ____________ route of entry into the body.
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Hazardous Product Properties

1. **CORROSIVE** materials can eat away and chemically destroy materials including living tissues.

2. **TOXIC** substances have the ability and strength of a substance to cause poisonous effects to living things if swallowed, inhaled, injected, or through contact with the skin.

3. **FLAMMABLE-COMBUSTIBLE** materials can catch on fire at relatively low temperatures. These materials don’t always require a flame or a match to ignite. Heat, sparks, or static discharge may make them catch fire or even explode.

4. **REACTIVE** materials can react with air, water, or other substances to cause fire, explosions, or toxic gases.

Signal Words

5. **CAUTION** Slightly toxic either orally, dermally, or through inhalation. Causes slight eye or skin irritation.

6. **WARNING** Moderately toxic either orally, dermally, or through inhalation. Causes moderate eye or skin irritation.

7. **DANGER** Can cause severe eye damage or skin irritation.

8. **POISON** Highly toxic by any route of entry into the body.
Locate the given words in the grid, running in two possible directions: horizontally or vertically.
HEAVY METAL POLISH
Chrome • Stainless Steel • Aluminum

Features
- Specialty Cleaner

Metal Polish Cream
Item No: SPL_402_16

Heavy Metal Polish restores the brilliant shine to your heavily oxidized metalwork. Our metal polish is formulated with specialty cleaners to remove contamination and imperfections while restoring gloss and clarity. It's perfect for chrome, stainless steel, aluminum, silver, and gold. Advanced polymer sealant protects your metalwork from the elements. Discover the true shine of your metalwork.

CAUTION: EYE IRRITANT. HARMFUL IF SWALLOWED. READ CAREFULLY OTHER CAUTIONS ON THE BACK PANEL. KEEP OUT OF REACH OF CHILDREN.

16 US FL OZ (473 mL)
CARELIFTER
CLOTHING
CARPETS
UPHOLSTERY

DANGER!
EXTREMELY FLAMMABLE. EYE IRRITANT.
CONTENTS UNDER PRESSURE. CAREFULLY READ
OTHER PRECAUTIONS ON BACK PANEL.

NET WT. 5 OZ. (142G)
A concentrated, all-purpose liquid soap made with olive oil and other all-natural ingredients.

One Gallon (3.785 Liters)
Precautionary Statements: Hazards to Humans and Domestic Animals.

Caution: Causes moderate eye irritation. Avoid contact with eyes, skin or clothing. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco or using the toilet. Remove and wash contaminated clothing before reuse. FIRST AID: IF IN EYES: Hold eye open and rinse slowly and gently with water for 15–20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. IF ON SKIN OR CLOTHING: Take off contaminated clothing. Rinse skin immediately with plenty of water for 15–20 minutes. Call a poison control center or doctor for treatment advice. Have the product container or label available when calling a poison control center or doctor, or when going for treatment. Questions? Call 1-800-227-1860. Physical or Chemical Hazards: Do not use or mix with bleach-containing products or other household cleaners. Combustible: Do not use or store near heat or open flame.

Storage and Disposal: Store in a cool, dry area. Nonrefillable container. Do not reuse or refill this container. Offer for recycling, if available, or place in trash collection.

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Questions or Comments? Please visit www.pine-sol.com or call 1-800-227-1860. For more product ingredient information, visit www.smartlabel.org.

Patents: www.thecloroxcompany.com/patents/
CONTAINS NO PHOSPHORUS.

160029.025
RONSONOL®
LIGHTER FUEL
COMBUSTIBLE
PARA ENCENDEDOR
DANGER: EXTREMELY FLAMMABLE • HARMFUL OR FATAL IF SWALLOWED • READ CAUTION STATEMENT CAREFULLY
Peligro: extremadamente inflamable • nocivo o fatal si se ingiere • lea con atención la declaración de precaución • contiene distilado de petroleo liviano
12 fl. oz. (355 ml.)
CONTAINS LIGHT PETROLEUM DISTILLATE
Open spout with a coin. Abrir el pico vertedor con una moneda.
Press tip to bottom of slot to close. Presionar la punta al fondo del alojamiento para cerrarlo.
Klean Strip Turpentine
Cleans & Thins Art Paints
Artists' Traditional Favorite

Danger! Flammable. Vapors may cause flash fire or ignite explosively. Harmful or fatal if swallowed. Skin and eye irritant. May produce allergic reaction by skin contact or inhalation. Vapor harmful. Read entire label prior to use or storage.

One Quart (946mL)