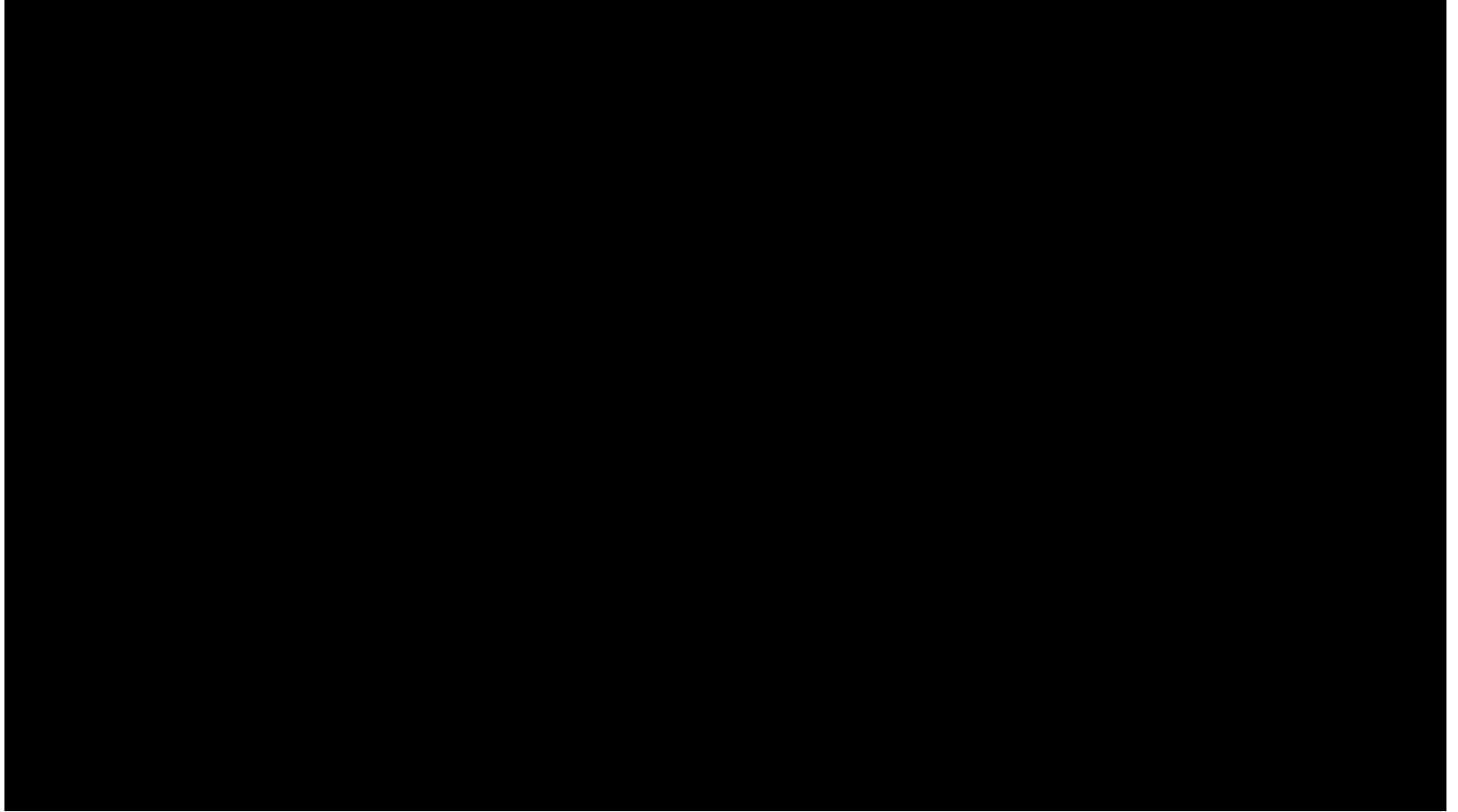


# SOURCES OF CHILDHOOD LEAD EXPOSURE

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# LEAD-BASED PAINT

- ▶ Banned for residential use by consumer product safety commission in 1978.



# LEAD-CONTAMINATED DUST FOUND IN HOUSEHOLD DUST

What is  
dust?







# DETERIORATING LEAD-BASED PAINT on windows



# LEAD-BASED PAINT ON FRICTION SURFACES



# SOIL TRACKED INTO THE HOUSE



Thru the door and.....



by other means.





# Lead-based paint

Leading source of high-level lead exposure



Label reads: Pure white lead.....91%  
Pure linseed oil..... 9%

-----  
100%

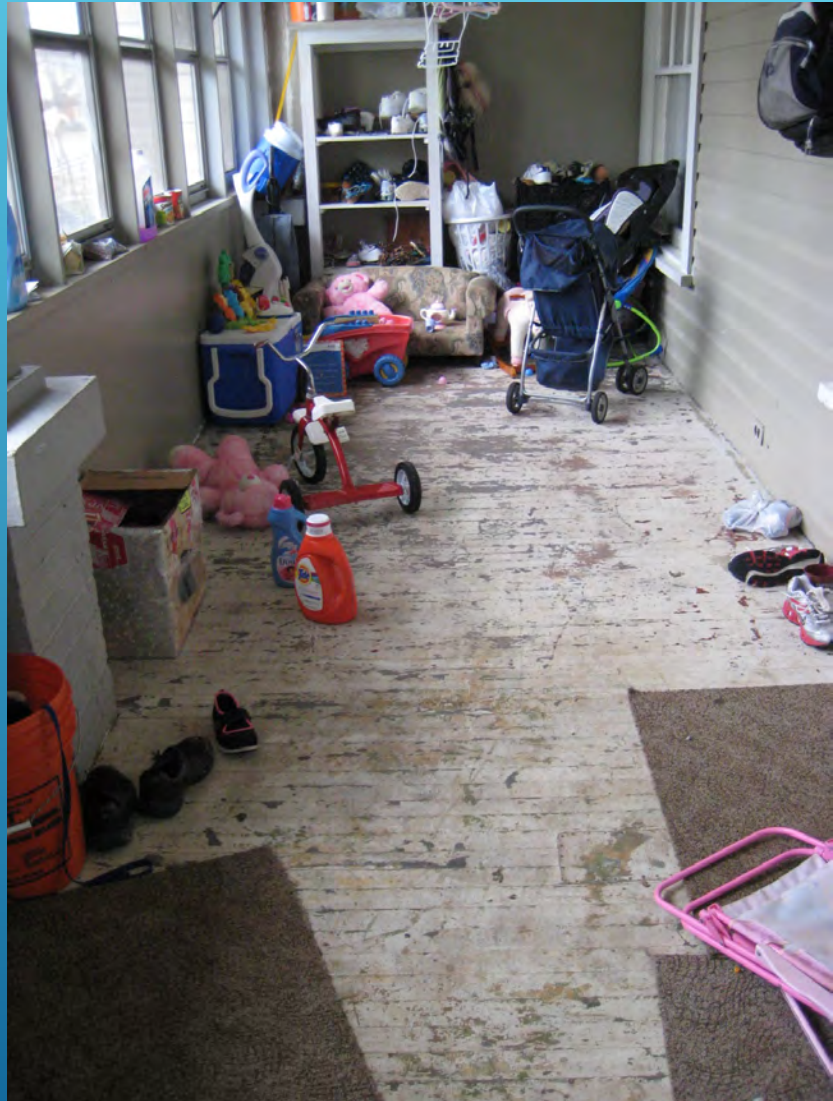
# Lead-based paint



.....as an exterior paint

# Lead-based paint

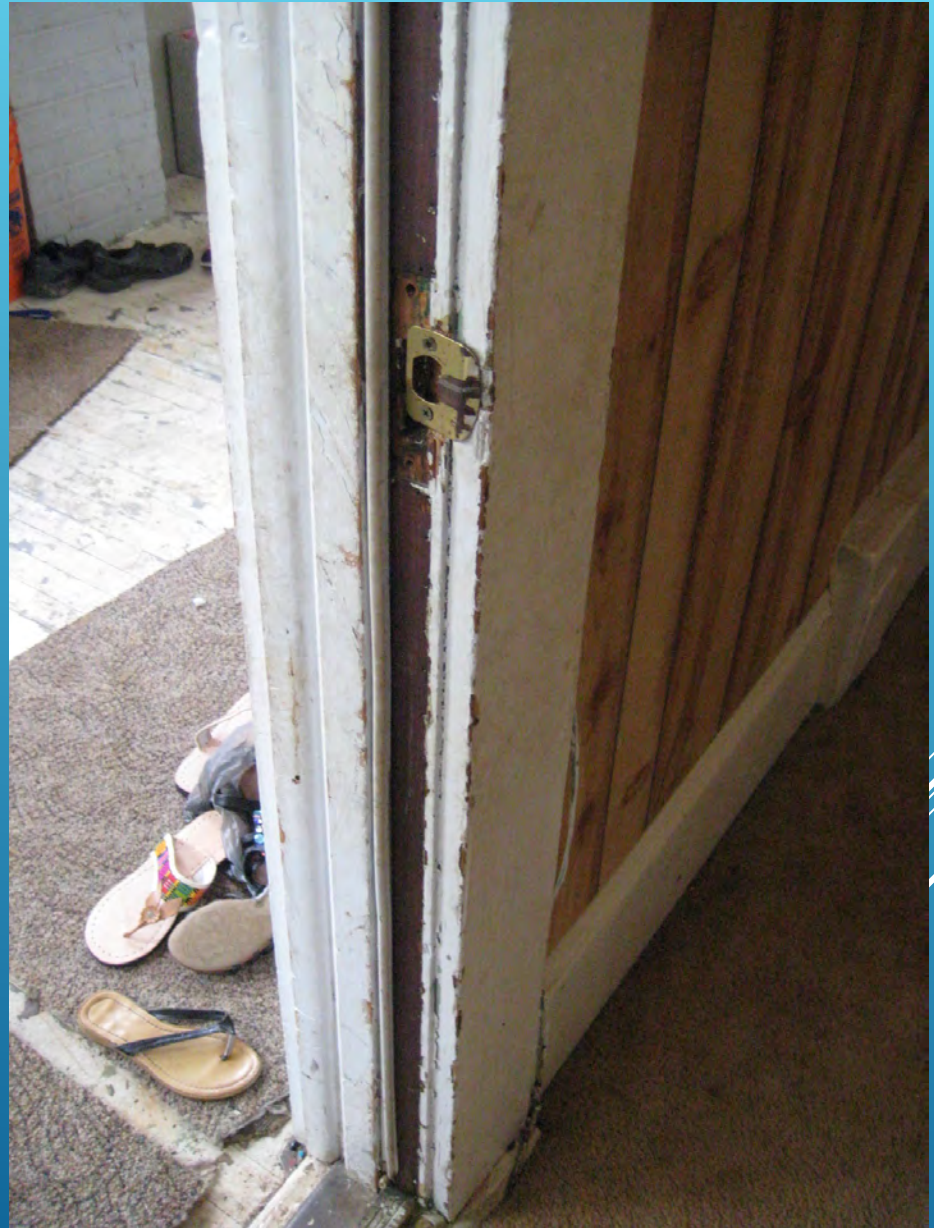
as an interior  
paint on floors....





# Lead-based paint

on impact  
surfaces.





# Lead-based paint



Is found in unexpected places, such as....  
during renovations....



# LEAD-BASED PAINT





LEAD IN SOIL



# How lead gets into Soil----



From deteriorated paint on houses



# How lead gets into Soil----





LEAD CONTAMINATED  
SOIL



Good  
times!



© Alamy

# How lead gets into Soil----



Industrial Emissions.....



# How lead gets into Soil----




Auto emissions.....

Riddle: What's a foot long, sitting in your car and contains about 18 pounds of poison?



# HOBBIES INVOLVING THE USE OF LEAD

- ▶ Glazing and firing ceramics
  - ▶ Making stained glass
  - ▶ Smelting
  - ▶ Shooting and loading shot
  - ▶ Fishing
- 
- A decorative graphic consisting of several parallel white lines of varying lengths, arranged diagonally in the bottom right corner of the slide.



# Hobbies

## \*Glazing and firing ceramics





# Hobbies

\*stained glass



# HOBBIES

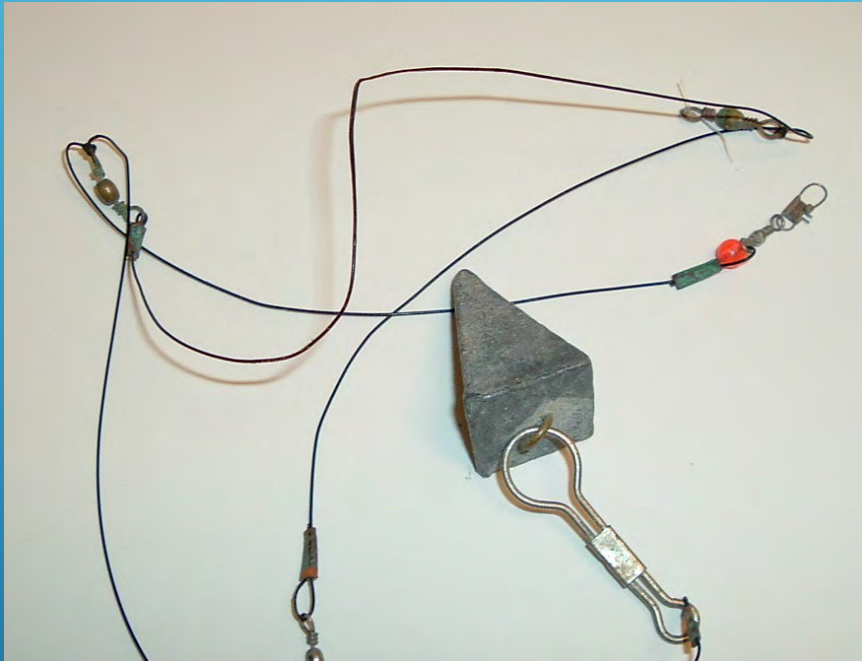
## \*STAINED GLASS





# HOBBIES

\*MAKING FISHING WEIGHTS OR TYING LURES





# HOBBIES

\*MAKING BULLETS



# HOBBIES

\*LEADED WEIGHTS IN GO KARTS  
& SOAP BOX DERBY CARS



# Hobbies

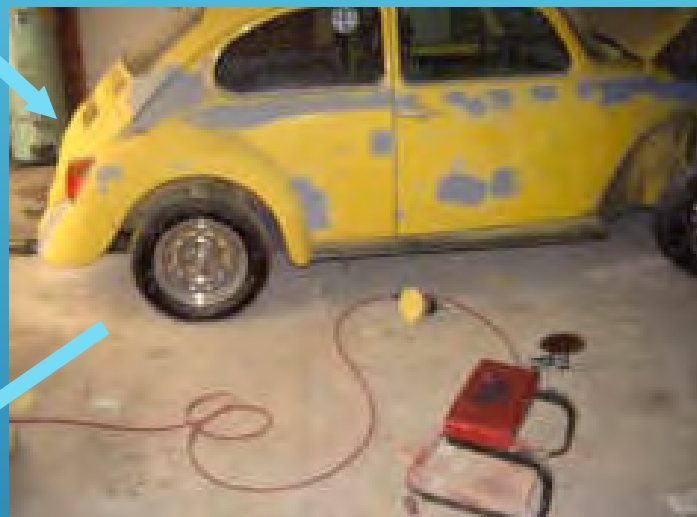
\*refinishing old furniture








# Dad's Hobby...



# OCCUPATIONS

--Artists --Auto repairers --Auto salvagers --Battery manufacturers  
--Bridge reconstruction workers --Construction workers  
--Firing range instructors & gunsmiths --Glass manufacturers  
--Lead manufacturers --Miners --Refiners --Smelters  
--Manufacturers of bullets, ceramics, & electrical components  
--Painters --Plastic manufacturers --Plumbers & pipe fitters  
--Police officers --Radiator repairers --Product manufacturers  
--Shipbuilders --Recyclers of metal, electronics, & batteries  
-- Rubber --Solid waste incinerator operators --Steel welder

Three parallel white diagonal lines are located in the bottom right corner of the slide, extending from the right edge towards the bottom left.

# Occupations

\*Battery Cracking or Breaking.....





A better solution than  
tossing them into a land fill..



# Occupations







# LEAD-BASED PAINT IS STILL USED FOR OTHER PURPOSES....



AND.....



# RADIATOR REPAIR WORK



# LEAD IN WATER

- \* Not generally present in water sources
- \* Leaches into water from lead pipes, pipes with lead solder and some plumbing fixtures
- \* *Soft, acidic, or hot* water may leach more lead





LEAD SOLDER



# LEAD IN FOOD

- \* Added during processing
- \* Cans with lead soldered seams
  - No longer used in US
  - Up to 10% of foreign canned goods
- \* Mexican candy, spices and snack foods



# CANDY



# FOLK REMEDIES CONTAINING LEAD

**AZARCON & GRETA** (Mexican)-  
Given for "empacho" (*intestinal illness*)

Both Azarcon and Greta are almost 100% lead by weight!  
Any amount is poisonous to children and adults!





# COSMETICS CONTAINING LEAD

KOHL & SURMA (India)

Paste and powder used to  
darken eyes



# COSMETICS DURING ELIZABETHAN TIMES







**BRAVERY OF ARCHDUKE.**  
Gave First Aid to Those Wounded  
by the Bomb.

# CERAMIC DINNERWARE

Earthenware

Old and imported china

Hobby glazes





# CHINA



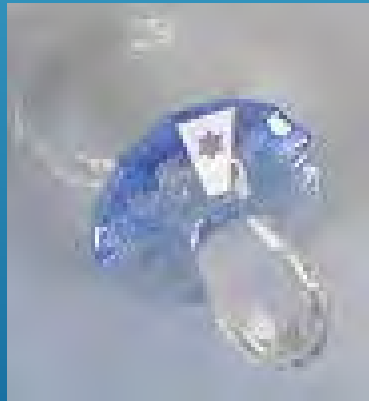


POTTERY



# LEADED CRYSTAL

- ▶ Decanters used to store alcohol or acidic beverages
- ▶ Baby bottles



# LEAD HAS BEEN FOUND IN:

Vinyl miniblinds

Telephone cords

Older sidewalk chalk and crayons

Some types of hand-crafted jewelry

Brass items

Fishing sinkers

Bullets

Weather stripping

Antique bathtubs and lavatories

Antique bathroom and fireplace ceramic tiles

A series of three parallel white diagonal lines in the bottom right corner of the slide.



# ANTIQUE PAINTED TOYS

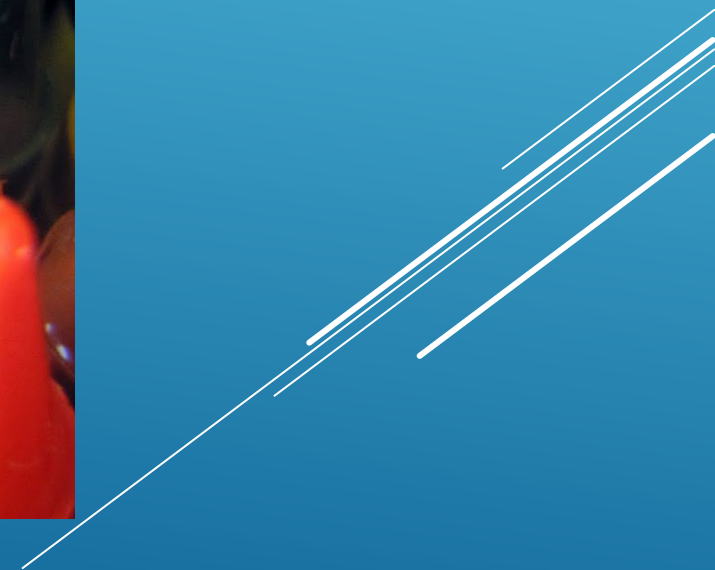


# DREAD PIRATE COFFEE TABLE GAMES





# "OLD" LEADED CRAYONS





# CHALK

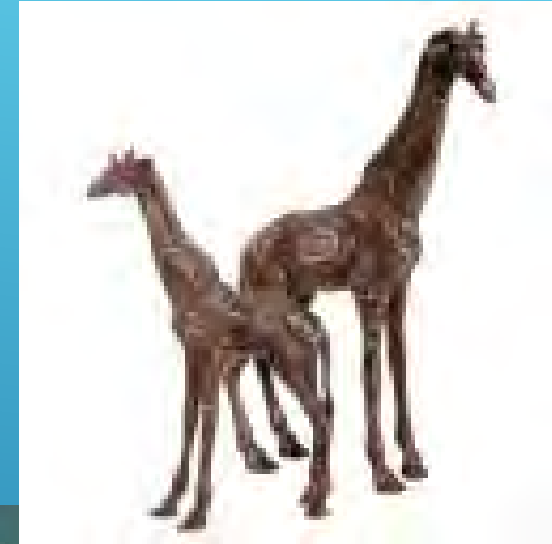


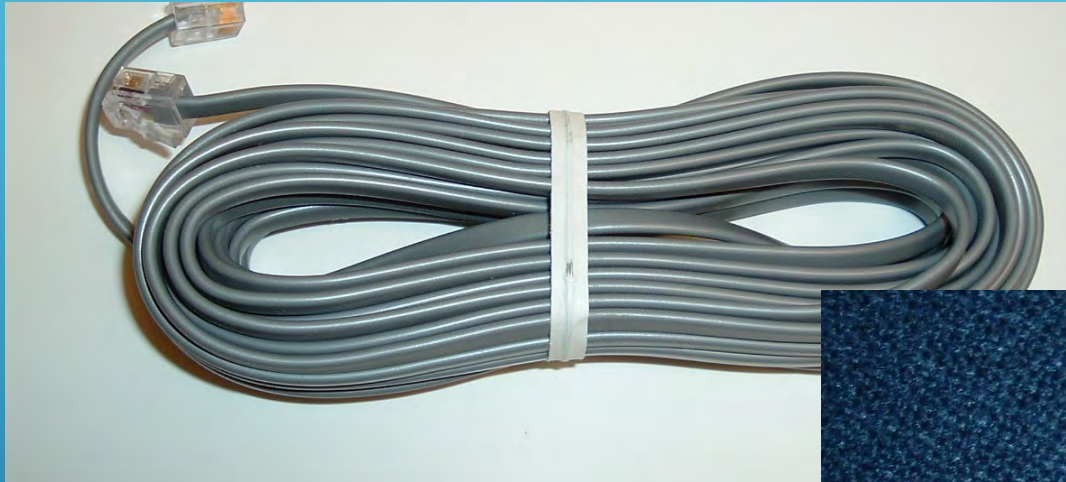


# BILLIARD AND POOL CUE CHALK



# BRASS ITEMS





# PHONE CORDS





# JORDAN NIKE SHOE RECALL





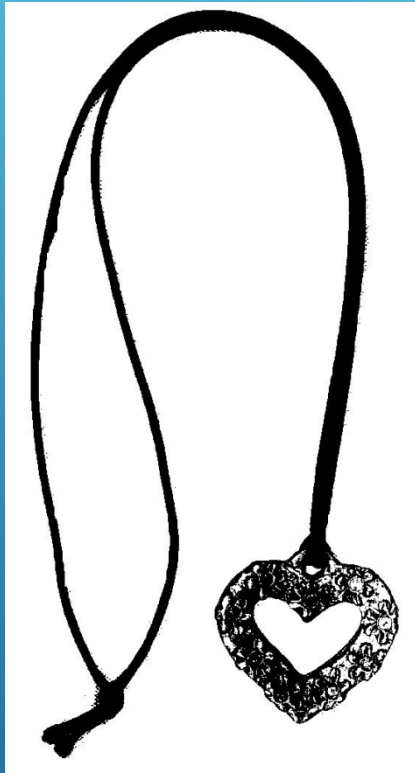
# LEAD-TAINTED PRIZES



*A test on gumball machine trinkets brought disturbing results. Many pieces had enough lead to poison a child as much as seven times over.*

*From CBS evening news*

# JEWELRY RECALL





## Metal Candle Wicks:

Some container, pillar, votive, and tea light candles use metal wicks and CPSC found that some contained lead.

**Antique furniture**, which was previously painted, may contain lead. The caustic paint stripper used to remove lead-based paint can cause the lead to actually leach into the wood. Any subsequent sanding of the furniture can release lead particles into the air. The CDC advises people to avoid sanding old furniture

OTHER





# SEVERE PICA

















# Slide at a Child Care Center





# FUN HOOP



QUESTIONS?

A series of several thin, white, parallel diagonal lines extending from the bottom right towards the top right of the slide.