

Recycle Rex, the Department of Conservation's spokesdinosaur, is excited to bring you this very "recy-cool" guide of recycling facts, games and crafts. If we all pitch in to recycle, reduce, reuse and close the loop, we will save the earth's

natural resources and lots of energy! This guide shows you many fun and simple ways that you can do your part.





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Produced by The Department of Conservation Division of Recycling

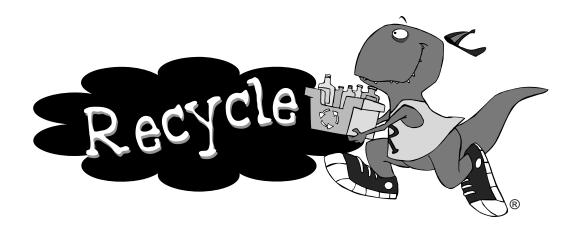
1-800-RECYCLE www.conservation.ca.gov



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Printed on recycled paper!



Recycle means taking something old and turning it into something new!

You can recycle your beverage containers at many places such as recycling centers, places with recycling bins, at your curbside and sometimes even at school!

To find out where your nearest recycling center is call **1-800-RECYCLE**, or visit our web site at **www.conservation.ca.gov.**

Get others to recycle

- It is important that we ALL recycle in order to save the Earth's natural resources.
- You can help by telling others to recycle. This includes your family, friends and teachers.

PEDEMPTION

Start — or participate in — a recycling program

You can hold a fundraiser; start a recycling program in your school or neighborhood; organize or volunteer at a recycling day at a beach or park; take a field trip to learn more about recycling; or teach others about recycling.

Call **1-800-RECYCLE** to receive a brochure on "How to Start a Beverage Container Recycling Program at School".

You can also contact your local government to encourage placement of recycle bins in city/county parks and

recreational areas.

CA REDEMPTION



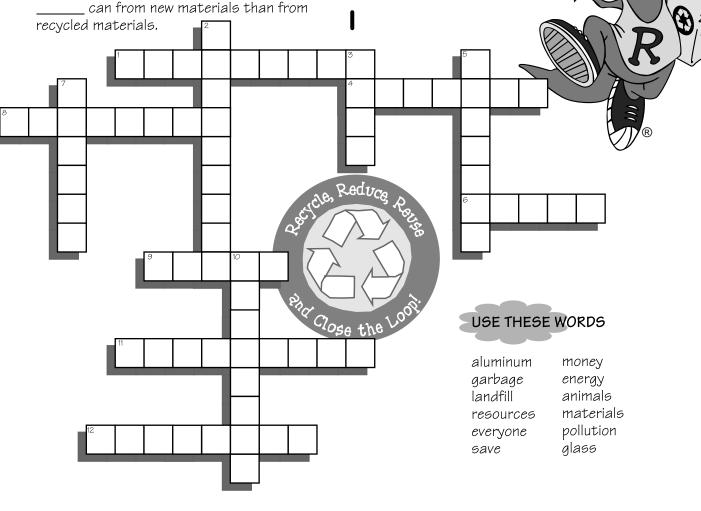
ACROSS

- 1. Recycling saves natural ____
- 4. Recycling, instead of littering, protects
- ____ never wears out, it can be 6. recycled forever.
- 8. Recycling helps keep fewer materials from going to the _____. Many are already full which means we need to find new places to put garbage.
- **9.** You can earn _____ by turning in your beverage containers at the recycling center.
- 11. Recycling lets us reuse _____ instead of having to get more from the Earth all over again.
- 12. It takes 20 times more energy to make an _ can from new materials than from

Recycling helps us preserve our environment and keeps garbage out of our landfills. There are also a lot of other reasons to recycle. Complete the crossword to find out why we should recycle.

DOWN

- **2.** Recycling creates less in the air.
- 3. If we create less garbage, our communities can _____ landfill space.
- **5.** Taking things that would be _____ and reusing them is a great way to help save the Earth.
- **7.** It takes less_____to make a new product from recycled materials than it does from raw materials.
- **10.** _____must recycle in order to make the world a better place.





Color in the picture! As you are coloring, see how many items you can think of that can be made from recycled plastic, glass, aluminum or paper. The picture above contains 16 items that can be made from recycled materials. Can you find all of them?



What words pop into your mind when you think about recycling? Well, some of those words are hidden in the word search game below. Look for the words listed beneath

the game below. The words are hidden up, down, backward, forward and diagonally. Circle the words you find.

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- 1. Animals
- 2. Stop littering
- **3.** Recycling
- **4.** Saves energy
- 5. Natural resources
- **6.** Trees
- **7.** Oil
- 8. Plastic
- **9.** Glass
- 10. Aluminum
- **11.** Clean air
- **12.** Money
- **13.** Landfill
- 14. Close the loop
- **15.** Buy recycled



Reduce means finding ways to decrease, or lessen, the amount of garbage we throw away.

Reducing the amount of garbage you throw away is important because we are running out of landfill* space to put our garbage!

You Can Reduce Trash By...



Buying items that use LITTLE or NO packaging. This reduces the amount of material used to make packaging, and cuts down the amount of trash we produce. Keep in mind though, most packaging made of paper or cardboard is recyclable.



Buying items in BULK (large amount) will also reduce trash.

*LANDFILLS, or garbage dumps, are huge holes in the ground where garbage is buried.





- Use a reusable lunch box or bag instead of a paper bag to carry your lunch. You won't have to throw away a paper bag every day.
- When you make a purchase, don't take a bag unless you need one. (Be sure you get the receipt!)
- Rent items you use infrequently, rather than purchase them.
- Wrap your gifts in a cloth bag so it can be used over again. (Wrapping paper won't end up in our landfills!)
- Use cloth napkins instead of paper napkins.
- Use a sponge or cloth rag instead of paper towels.
- Always look for items with little or no packaging.
- Use reusable plastic containers for food instead of plastic bags.
- Use rechargeable batteries instead of disposable ones.
- Go to the library to read your favorite magazine, book or newspaper rather than purchase them.
- Use plates, cups and utensils you can wash instead of paper plates, cups and plastic utensils that you throw away.
- Purchase items in concentrate (such as juice and detergent) when possible.
- Choose products in recyclable or refillable containers.
- Avoid buying food items in single serve packaging.



Reuse means finding ways to use things over and over again instead of throwing them away.

By reusing, we are saving our precious landfill space and, equally important, we are saving natural resources and materials it would take to make a new product.

Here are some examples of reusing:



Refill your plastic drink containers with water or another favorite beverage.



Use both sides of your paper before recycling it.



Purchase a book from a used bookstore.

Have a broken item repaired rather than purchasing a new item.



Sell or donate things instead of throwing them away.



What Can You Reuse?

Can you believe that some people think the only thing you can reuse is your toothbrush? We know better, don't we? All the items listed here are examples of things we use everyday that we can reuse over and over and over and over and over (well, you get the idea). See how many of the items you can find in the word search below. Circle each word you find!

> Boxes Bubble Wrap Butter Containers Cloth Diapers Clothes Coffee Cans Decorations Dish Towels Foil Glass Jars Lunch Boxes Magazines Ribbon Paper Shoes Soda Bottles Wrapping Paper

QBTTT MPYFK ARLENEM KRBMSYL COFFE DEOROATIO BATMFIILLJADQ SDJRNMFILPORTTYL GLASBSOXCEEUSBATTERCSA SSAGLMONOLEKNFULPYHJMIOF QWEXLGMDDSTCTCUBUBBLTWVNBY JUOPAFKARFDAEHWBKLRDBQKFYJ KYKRSWQBLYFNEBCLOTHDIAPERS AGSSSELOSDLSSOWEGFTOALGMKK SCRTJRJTWNWAOXOWEEJKIITRPA POEPAMATETSSNEPRDTDGKPOMEK AHNWREHL TWTQNSSABWQETMBRAO LQIWSSKEROYMDHLPERMULADFGM HHAAQEESBMDHDRJILLTTTOPEWQ WSTPOSJEKEDKDUMCTYOUROLLSA BONTSESHTWRSBSEMAGAZINESOU ELOSCSEYOLSERBMULKZEBTOOLL SMCLOTHESEECLOTHBTTSBWMERW NURORSLEWOTHSIDPOMHKOPILWE OPEPSSYQKWYWWLERBGAOND | OMX IOTCWRAPPINGPAPEROBMLGPLUP TETYSROOMWBTTLESPAPEXYRULL AMUBTRMSAPAPERWRFKSRTPYOJH RYBWEBOXESHLAAOPXWMSEOHSTR OLSSRPOKWQTUPLHKSEL TTYKDFK СТКК TUDERRY BOXEGH EGG DRTPO UKWEK DOG WAXTU MATUR



Buy products made from recycled material.

Taking your beverage containers to a recycling center is just the beginning of the recycling process. Those materials won't really be recycled until companies use them again to make new things and people buy them. When you buy products made from recycled materials, you are **CLOSING THE LOOP.** Here's how it works:





All of these can be made from recycled materials.

carpet	picnic table
bag	floor mat
tile	book
shoes	park bench
toys	clothing
pencil	envelope
box	paper towels
ruler	binder

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Aluminum is made from a natural resource called **Bauxite Ore.** Making products from recycled aluminum saves energy and Bauxite Ore.

There is no limit to the number of times aluminum can be melted down and reused... that means aluminum can be recycled and reused over and over again!



It takes 80 - 100 years for an aluminum can to decompose (break down and disappear) in our landfills and dumps.

Aluminum cans can be recycled into: soda cans, pie plates, thumbtacks, license plates, aluminum foil, and may other items.

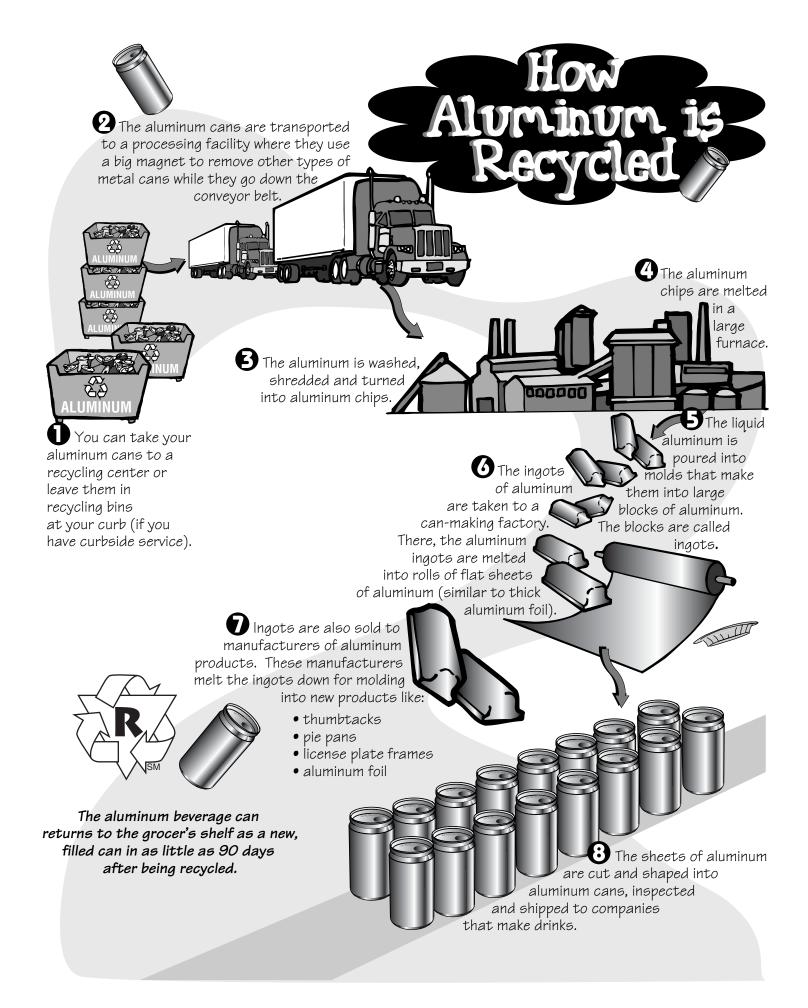


Recycling one aluminum can saves enough electricity to operate a TV for up to 3 hours.



In the year 2000, Californians recycled 13,500 aluminum beverage containers every minute.





Materials You Will Need:

Pencil Holder

- An empty aluminum can or glass jar
- Can opener
- Yarn
- Glue that dries clear
- Scissors
- Decorations (such as sequins, pebbles, beads, dried flowers, leaves, shells, pasta, buttons,)



Instructions:

- Have an adult cut off the top of your aluminum can using the can opener. If you are using a glass jar, rinse and dry your jar.
- Turn your container upside-down.
- Begin at the bottom of the container and glue the yarn around the container. Keep the yarn tight and close together so the can or jar does not show through. Continue to glue the yarn around the container until it is fully covered.
- Glue your decorations on your pencil holder once the glue is dry.

Optional:

To preserve your pencil holder, brush a coat of clear acrylic finish all over your pencil holder.



Glass is made of soda ash, limestone and lots of sand. The mixture is put into a very hot furnace and when it melts, it turns into glass. Heating the furnace takes a lot of energy!

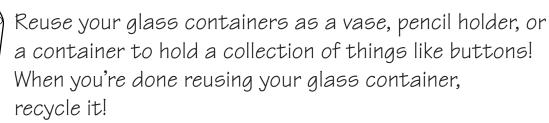
Glass can be recycled and used over and over again! This saves energy and natural resources! Recycled glass melts at a lower temperature than new materials, so it takes less energy to heat the furnace. In fact, most bottles and jars are made from recycled glass.

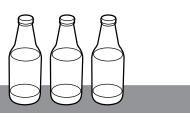


Glass takes over 1,000,000 (one million) years to decompose (breakdown and disappear) in our landfills or dumps.

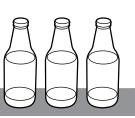


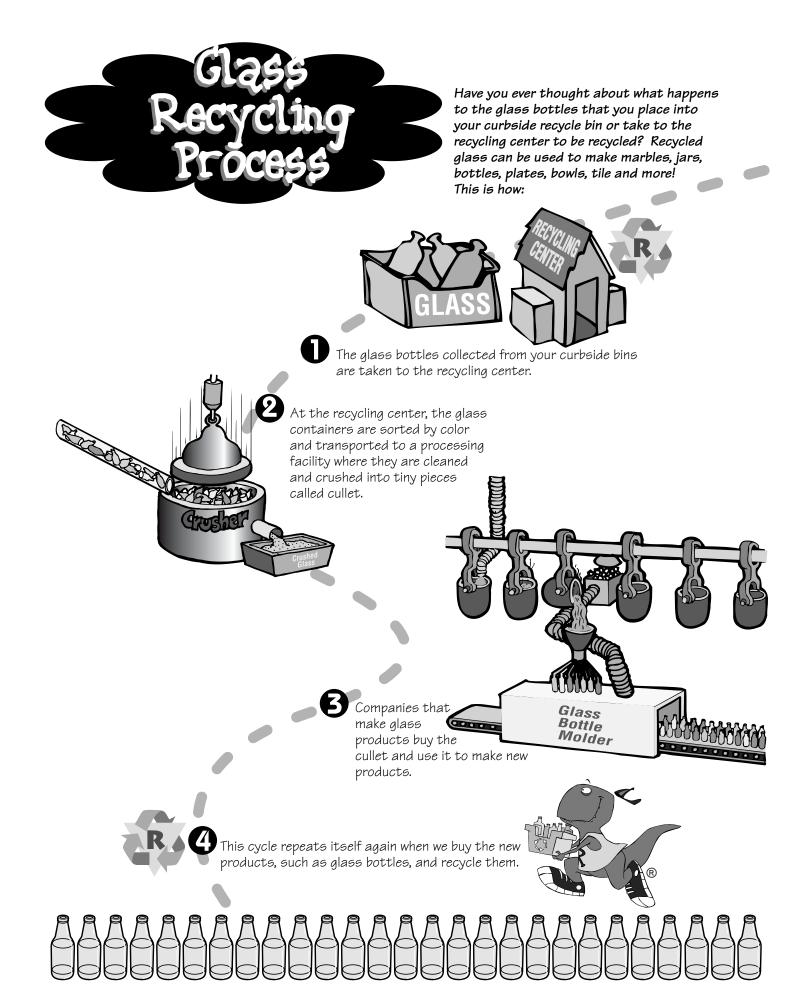
Glass can be recycled into jars, bottles, jewelry, dishes, drinking glasses, coffee mugs and many other items!





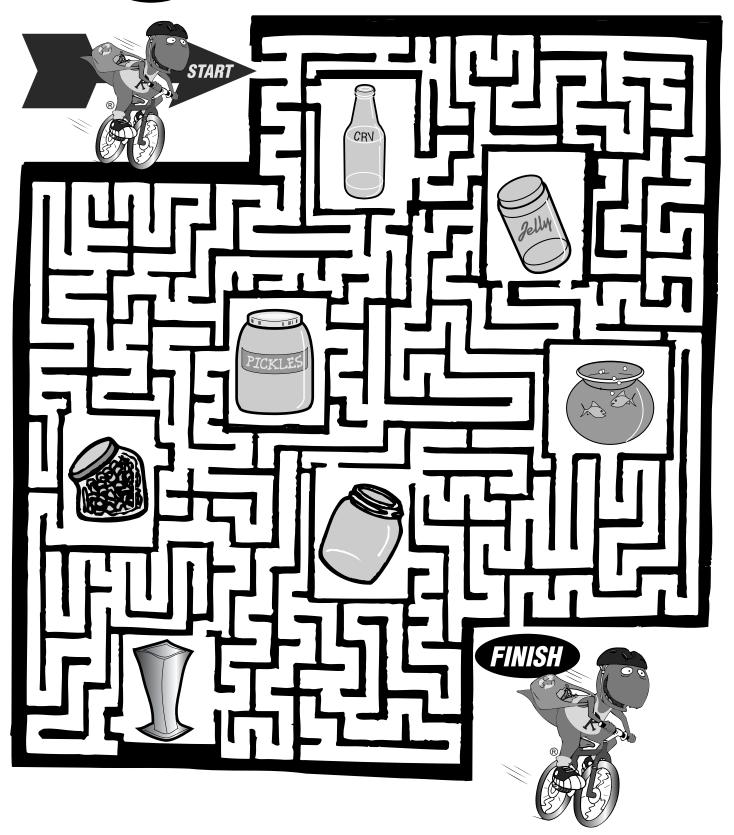


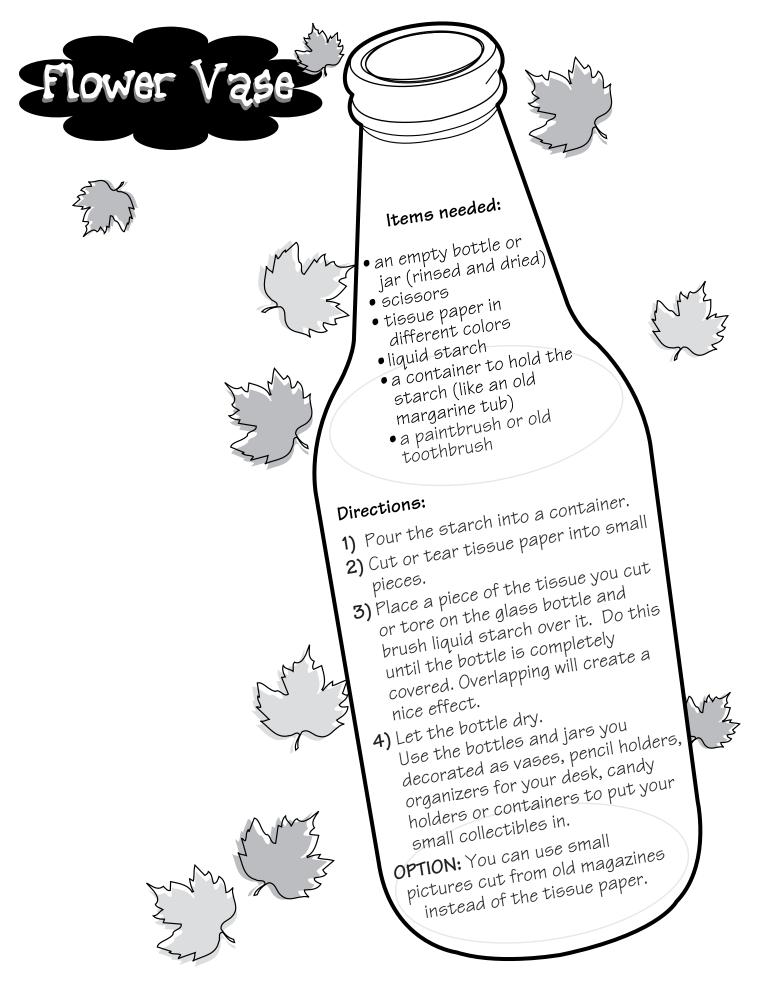






Find your way through the maze and collect the glass containers. These items are all made from recycled glass. Which one of these items can you take to the recycling center and redeem for money? What other ways can you reuse your glass containers?







Recycled soda and water bottles are made from PET plastic. PET is short for Polyethylene Terephthalate (pol-y-'Eth-yl-lene ter-'Eph-tha-late).

You can identify PET Plastic containers by looking for this symbol , on the bottom of the bottle.

It can take up to 700 years for plastic to decompose (break down and disappear) in our landfills or dumps.

PET plastic can be recycled into; clothing, fiberfill for sleeping bags, stuffed animals, toys, rulers, and more!

Plastic bottles can be recycled and reused. Reuse your plastic bottles by filling them with water or juice and placing them in the freezer. Put one in your lunch box and it will double as an ice pack. At lunchtime, you'll have an ice-cold beverage! When you're done reusing your plastic bottle, recycle it!



What happens Clad Plastic containers are RECYCLE CENTER brought to the recycling center where they are sorted by type and sometimes color. They are crushed together and formed into a huge cube or bale. The manufacturer melts the plastic flakes or pellets down for molding into new products like: • fiberfill for sleeping bags • plastic lumber • containers for non-food products • toys • compost bins • rulers • T-shirts The bales of plastic are shipped to a plastics processing plant. The flakes or pellets are shipped to **SEHE** manufacturers of plastic goods. The plastic is broken apart ciototer and shredded into flakes or pellets and then

cleaned.

Bubble Solution

ltems Needed

- 1 cup liquid dish soap
- 1/4 cup Karo syrup
- 1 1/2 cups water
- Large bowl (for mixing solution)
- Container (large enough to dip cut end of your bottle in)

Instructions

- Items Needed
- 1 small plastic soda bottle (20 ounce) - empty and washed For larger bubbles you could use a 2-liter plastic soda bottle

Bubble Bl

- Scissors
- Masking tape

Instructions

- 1) Wrap a piece of masking tape around the bottle, about four inches from the top.
- **2)** Ask an adult to help you cut along the bottom edge of the masking tape. Recycle the bottom of the bottle and discard the bottle cap.
- **3)** Remove the masking tape from the bottle. You are now ready to make your bubble solution.

- 1) In a large bowl, mix together liquid dish soap, Karo syrup and water. Allow the solution to sit in an open container for at least a day before using. (The longer the solution sits, the better the bubbles.)
- **2)** Pour the solution into a container large enough so that you can dip the cut end of your bottle.
- **3)** Dip the cut end of the bubble blower into the solution. Place the small end up to your mouth and blow your bubbles.

***NOTE:** Your bubble blower can be used as a bubble wand - just dip in solution and wave the bubble blower through the air!

Instructions:

eede

Ask an adult to help you with the scissors and nail.

Using the scissors, cut one side and the top off of your milk jug or soda bottle. Leave at least 1 1/2 inches on the bottom.

Ask an adult to help you poke a hole in the front and back of the feeder using the nail. Push the stick or dowel through the holes so it pokes out both ends. The stick is used as the bird perch.

Using the nail, poke two holes at the top of your milk jug or soda bottle from one side to the other. Insert your used wire, string, fishing line or shoelace and tie it together to make the hanger. Put birdseed into the bottom of your bird feeder and hang it from a tree or on your patio.

• One gallon plastic milk jug or a two-liter soda bottle

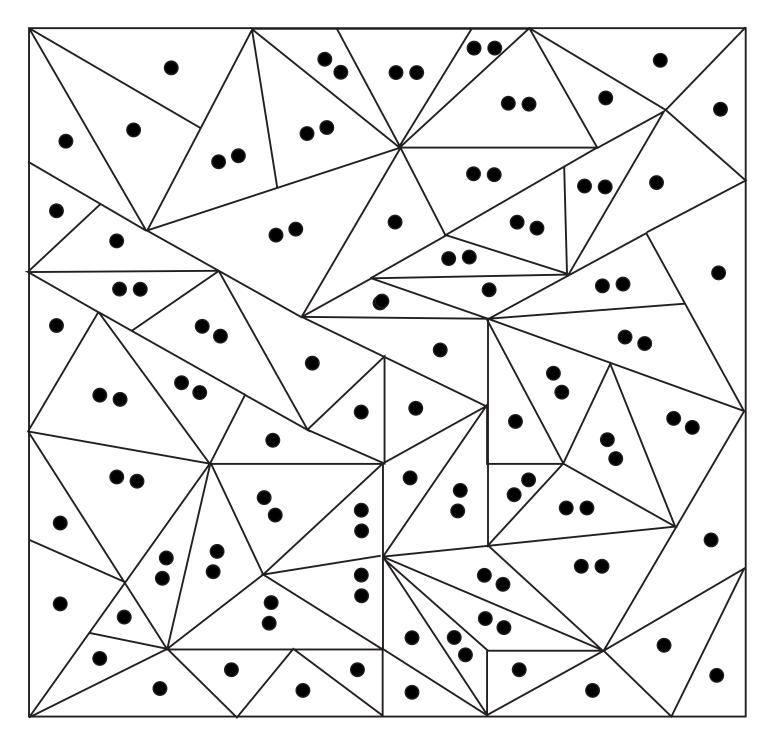
Materials You Will Need:

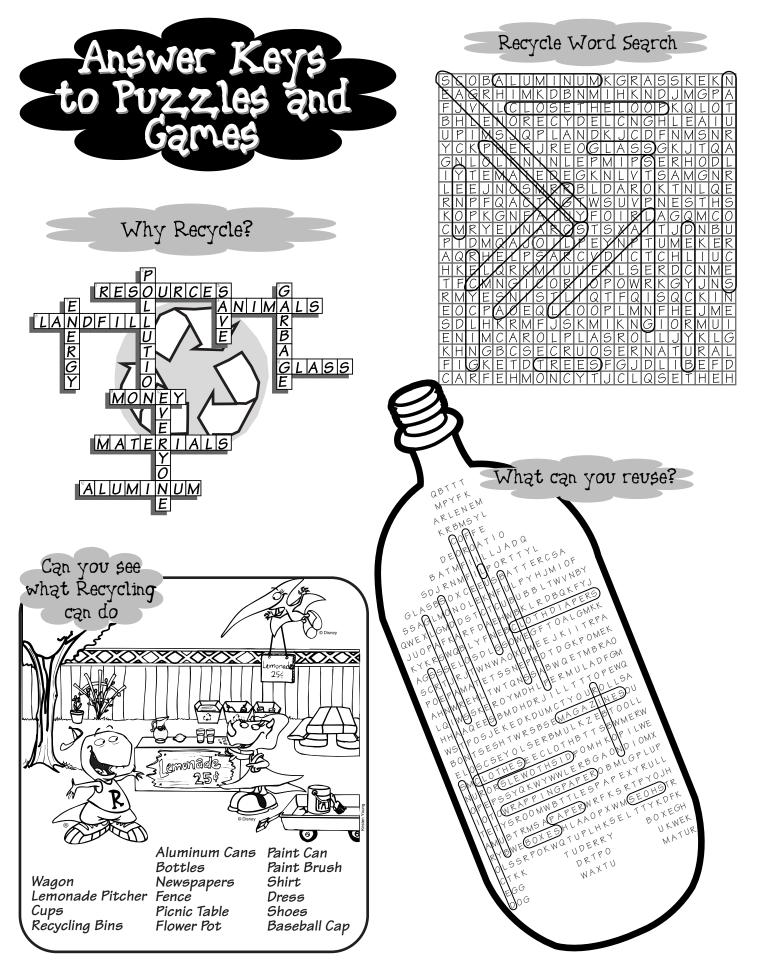
- A 12-inch piece of used wire, string, fishing line or an old shoelace
- A stick or dowel, 12-inches long
- Permanent ink pens or stickers
- One nail
- Scissors





Color the areas and find the hidden symbol. Color areas with one dot yellow. Color areas with two dots blue. Do you know what this symbol means?







This symbol is the recycle symbol and means that the product is recyclable. Look for this symbol onthe product or product's packaging when making a purchase.

