



Why do I need to recycle?

Recycling Benefits Everyone

Lesson 1:

The earth has a limited amount of space with limited resources that must sustain us all. We cannot keep wasting our resources and polluting our land! Recycling is the answer. When we recycle our newspapers, bottles, and cans, we are saving these materials for future use. When you waste these materials, you could be trashing your grandchildren's future!

Recycling conserves energy as well as resources. Recycling 1 ton of paper saves over 4,100 kilowatts of electricity. There are also economical reasons for recycling. Recycling reduces waste disposal costs and creates employment opportunities.

What can Be Recycled?

These are just a FEW of the many things that can be recycled and/or reused:

Aluminum



Yard waste



Plastic



Glass

Paper



Computers



Used Motor Oil



Tin





Don't Trash MY Planet!

Did You Know...

4 pounds of garbage is thrown away by each of us everyday.

88 pounds of plastic is thrown away every year.

14 billion pounds of trash is dumped into the world's oceans every year.

84 percent of household waste can be recycled. Every year we make enough plastic film to shrink-wrap the state of **Texas**.

1 aluminum can saves enough energy to run a TV for **3** hours. **350,000** aluminum cans are produced every minute.

26 recycled PET bottles equals a polyester suit.

5 recycled PET bottles make enough fiberfill to stuff a ski jacket.

2,500,000 plastic bottles are used every hour! Most of them are thrown away!

Plastic bags and other plastic garbage thrown into the ocean kill as many as **1,000,000** sea creatures every year!

56 percent of recycled PET finds a market in the manufacture of carpet and clothing.

29 percent of recycled HDPE bottles go into making new bottles.

An estimated **9,400** curbside collection programs and **10,000** drop-off programs collect PET plastic in the United States, currently.



Lesson 1:





Enrichment Activities

Lesson 1:

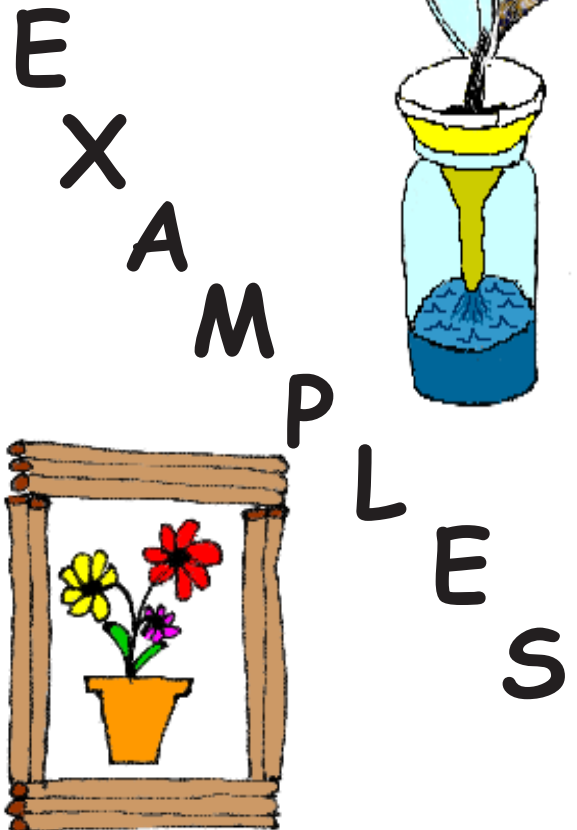


Let's get those creative juices flowing! Bring several items to class and see how many different ways your students can come up with to reuse them. Also, let your students devise ways to handle excessive waste and pollution. The methods do not necessarily have to be scientific, let their imaginations run wild!

Sample List

- Various bottles-plastic and glass
- Grocery bags-paper and plastic
- Old magazines and junk mail
- Clean, empty soup cans
- Other various cans-tin, aluminum, and steel
- Small bag of leaves, twigs, and clippings
- Cardboard boxes
- Wallpaper scraps

ACTIVITY





Litter Bag

Lesson 1:

We all know litter is bad, but is some litter worse than others? Have your students break up into groups of 4-6 and give each group a “litter” bag containing the listed items. Explain to them that the items in the bag are commonly littered items, but assure them that this is all “clean trash” and not items that were actually littered. Each group should empty their bag and rank their litter items from “most undesirable” to “least undesirable.” Have them write down their rankings as well as the reason why they chose one item to be “most” and one item to be “least.”

When all the groups have finished, have them report their decisions to the class. On the blackboard, keep track of the reasons groups are giving for choosing items as undesirable. Have them define litter and why they believe litter is undesirable.

To stress the importance of reusing and recycling, group the “litter” items according to what can be reused or recycled (i.e. most reusable to least reusable, most recyclable to least recyclable).

No item can be acceptable as litter. No matter where it ends up on our scales, “waste must be in place.” Litter attracts litter!

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Litter attracts litter!

You Will Need

- Paper bag
- Disposable Cup
- Small glass bottle
- String
- Snack bag
- Plastic six-back yoke
- Cigarette butt
- Balloon
- Orange Peel





Can You Find These Words?

Lesson 1:

There are some materials in our homes that cannot be recycled and are dangerous for the environment if disposed of improperly. Some of these materials may be found in the puzzle below. They may appear forward, backward, horizontally, vertically, or diagonally..

Aluminum Cans	Iron	Paper
Asphalt	Jars	Plastic
Brass	Lead	Rags
Cars	Leaves	Steel
Concrete	Metals	Tin Cans
Copper	Motor Oil	Tires
Glass	Newspaper	Wood
Gold	Office Paper	Zinc

DEAGNCONCRETEPT
RMOTOROILSFOSIC
UWFZKLUOTNXSRHO
VLFCJZDGWAIETDR
RTINCANSLCSIAAR
ESCOPPERNMMBCEU
PHEGXOZOWUEVLLG
ADPAPERSQNTATLA
PLASTICSWIAJLZT
STPIZUHTOMLMAWE
WBECUBDEOUSIHRD
EGRAGSTEDLNDPZS
NFDAWAOLEAVES PQ
CEOXSUHAJCHCARS
ECTASSALGFYZINC





Toxic Waste!

There are some materials in our homes that cannot be recycled and are dangerous for the environment if disposed of improperly. Some of these materials may be found in the puzzle below. They may appear forward, backward, horizontally, vertically, or diagonally.

Lesson 1:

C O R R O S I V E M T P L N G J Q Z N S
A Y O B N L X E S D O P K I B N C F I U
U N B X P O I S O N X T G N C E R O U O
T N I O K M G H P O I L E B A L I V J D
I D P L M C D E T T C W R T V G H O L R
O D A F L A M M A B L E X P I O S E N A
N H I N G R E D I E N T S B O O M L C Z
W A L T G G D I R E C T I O N S Q W E A
P E T N B E W A R N I N G O I K L N V H
T U O M N C R P E R T U V I L M X Z O O

NEVER play with packages that have these words on them.

Caution- When a label says this, be careful

Corrosive- Something that is corrosive can “eat through” or burn through skin, clothes and even metals.

Danger- Don’t handle a product that says this. Get an adult to help.

Directions- This is the part of the product that explains how to use the product safely.

Flammable- This means the material catches on fire.

Hazardous- A material that is hazardous can be harmful to you and the environment.

Ingredients- This is the part of the label that explains what chemicals and things make up the product.

Label- Before handling or throwing away a product always read the label. It tells you about the product.

Poison- A material that can make you sick if swallowed is considered a poison.

Toxic- A toxic material can cause sickness, or even death, if you swallow it or breathe in its fumes.

Warning- This is the part of the label that tells you what will happen if you use a product improperly.

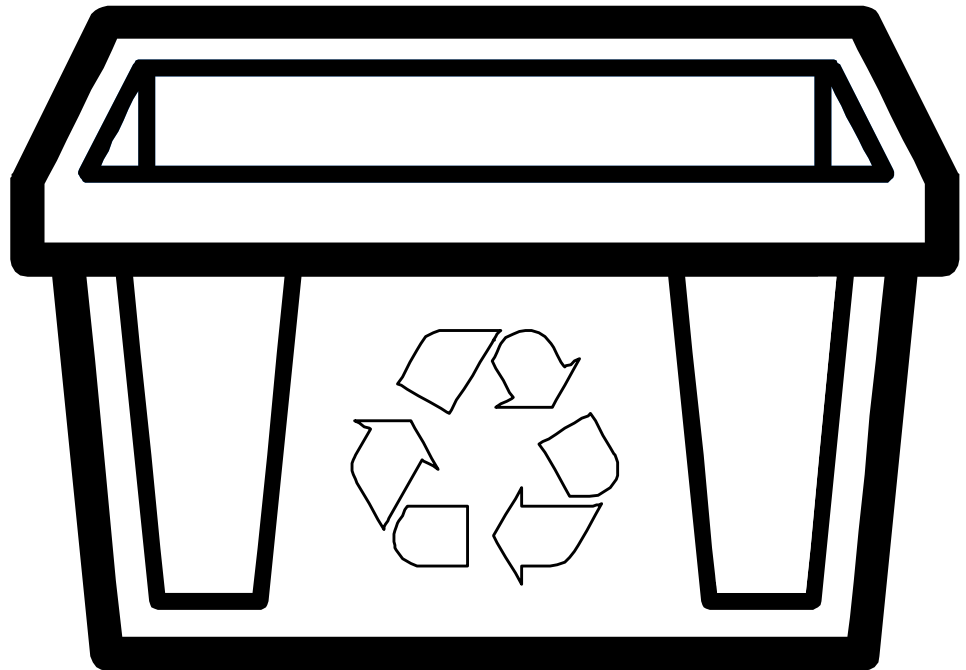




What Can You Recycle?

Draw as many items as you can to fill the recycle bin.

Lesson 1:



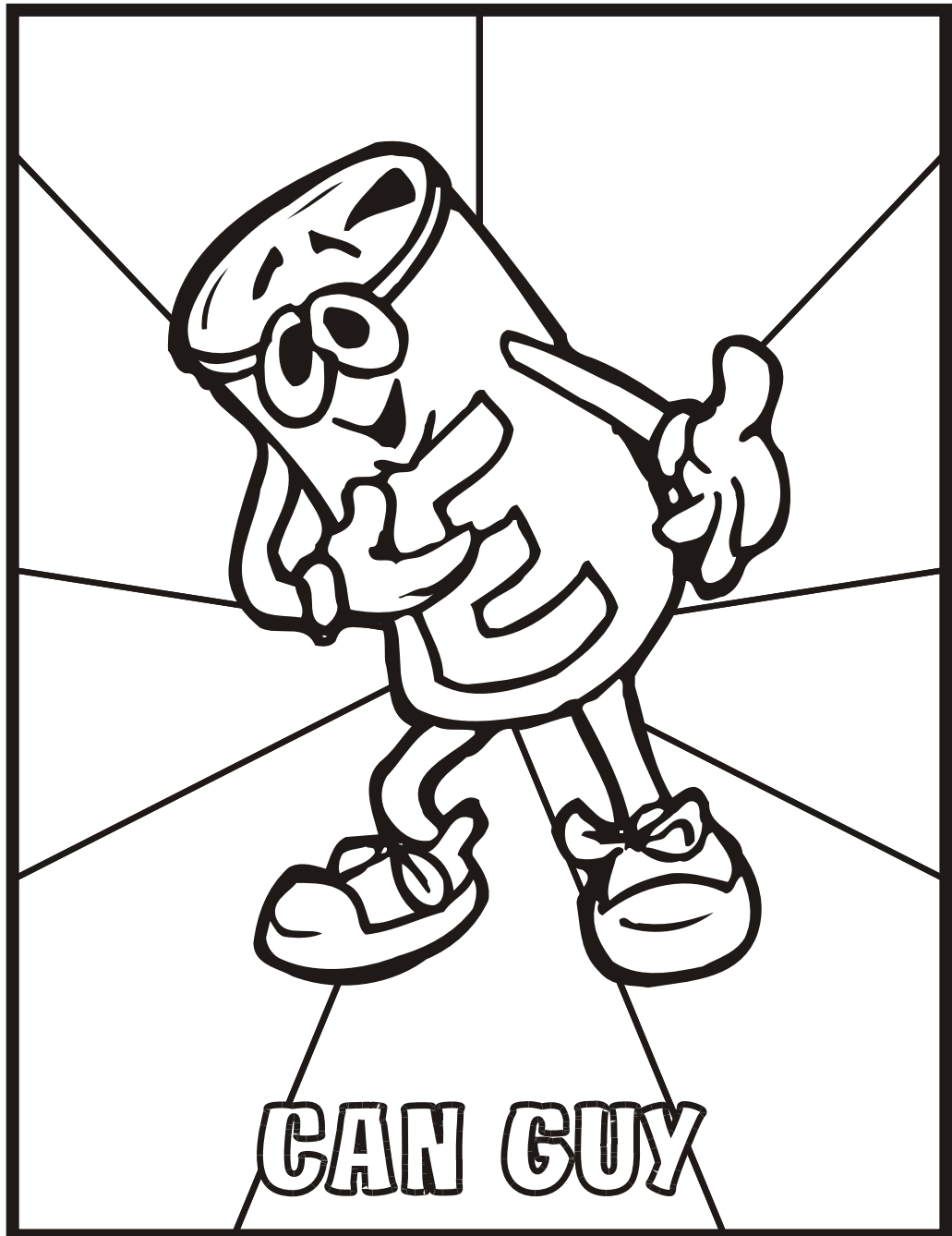
EASTMAN
GOOD SPORTS ALWAYS RECYCLE.



Color the Can Guy

More than 50 percent of a new aluminum can
is made from recycled aluminum

Lesson 1:



EASTMAN
GOOD SPORTS ALWAYS RECYCLE.



Test Your Knowledge!

In this lesson you have learned about some of the basic concepts of recycling. See if you can answer the following questions.

Lesson 1:

1. Name six things that can be recycled.

2. Define these three terms in your own words: Recycle, Reduce, Reuse

More than 50 percent of a new aluminum can is made from recycled aluminum

3. What are some good reasons to recycle?

4. One aluminum can saves how many hours of TV?

5. How much garbage do we each throw away every day?

