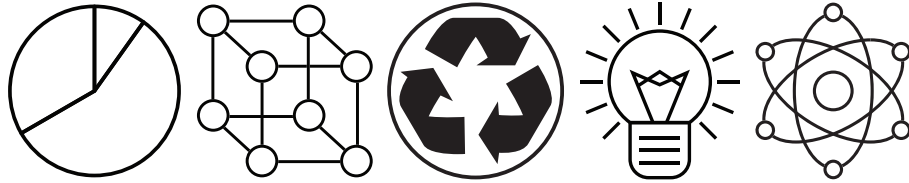


THE THEORY OF RECYCLABILITY

A C T I V I T Y B O O K

A person who never made a mistake never tried anything new. – Albert Einstein



THE THEORY OF RECYCLABILITY

ACTIVITY BOOK



Featuring the **RECYCLE GUYS!**

The Recycle Guys are the centerpiece of a comprehensive education campaign developed by the S.C. Department of Health and Environmental Control's Office of Solid Waste Reduction and Recycling.

The Recycle Guys are on television, radio, billboards, posters, and the web. They are used – with permission – throughout the country in more than a dozen states, various towns and cities, and countries including Australia and Ireland.

If you would like more information about recycling in South Carolina, visit scdhec.gov/recycle or call 1-800-768-7348.

RECYCLING IS ELEMENTARY!

Write the number for the question on the left
beside the correct answer on the right.

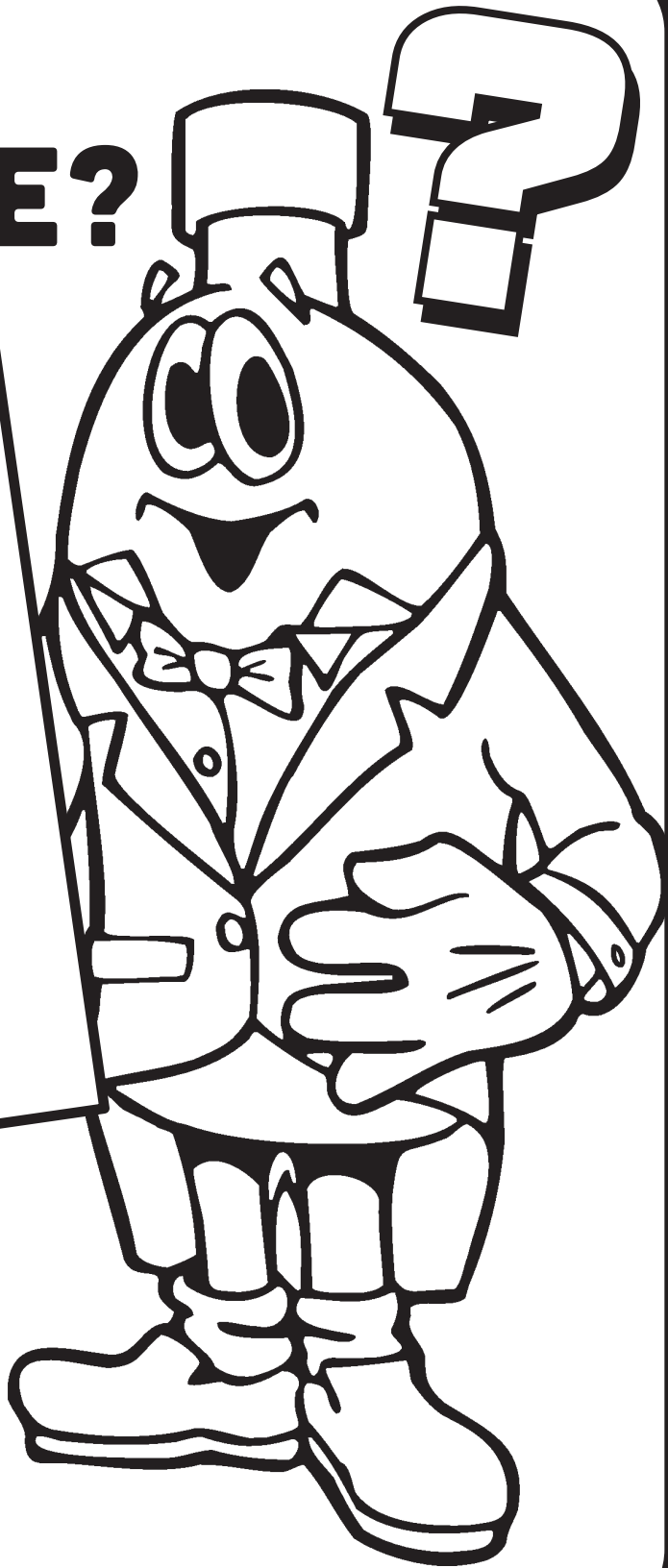
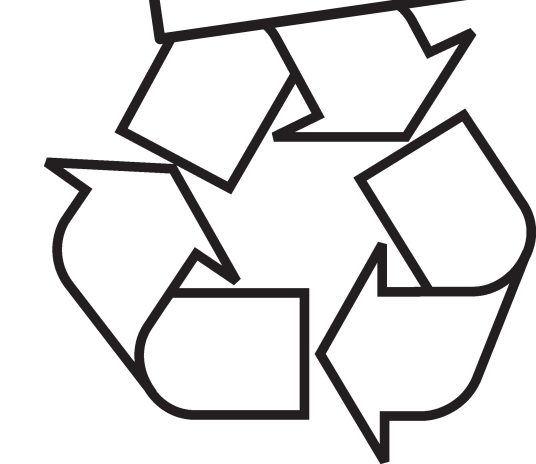
1	What is recycling?
2	Why recycle?
3	What can be recycled forever?
4	What recycled item can become playground equipment, backpacks, pens, clothing, and carpet?
5	What recycled item can become part of a flashlight or airplane?
6	How much do each of us throw away each day on average in South Carolina?
7	What is the No. 1 item we throw away?
8	How much do each of us recycle each day on average in South Carolina?
9	How much do all of us recycle each year on average in South Carolina?
10	What recycled item can become part of a car, railroad tracks or appliances?

	1.3 pounds per person per day
	Aluminum cans
	1.2 million tons
	Unwanted food
	It conserves natural resources and provides raw material for products.
	Steel (soup, fruit, and vegetable cans)
	Plastic bottles
	Collecting items that otherwise would be thrown away and turning them into new products
	Glass
	4 pounds per person per day

WHY RECYCLE?

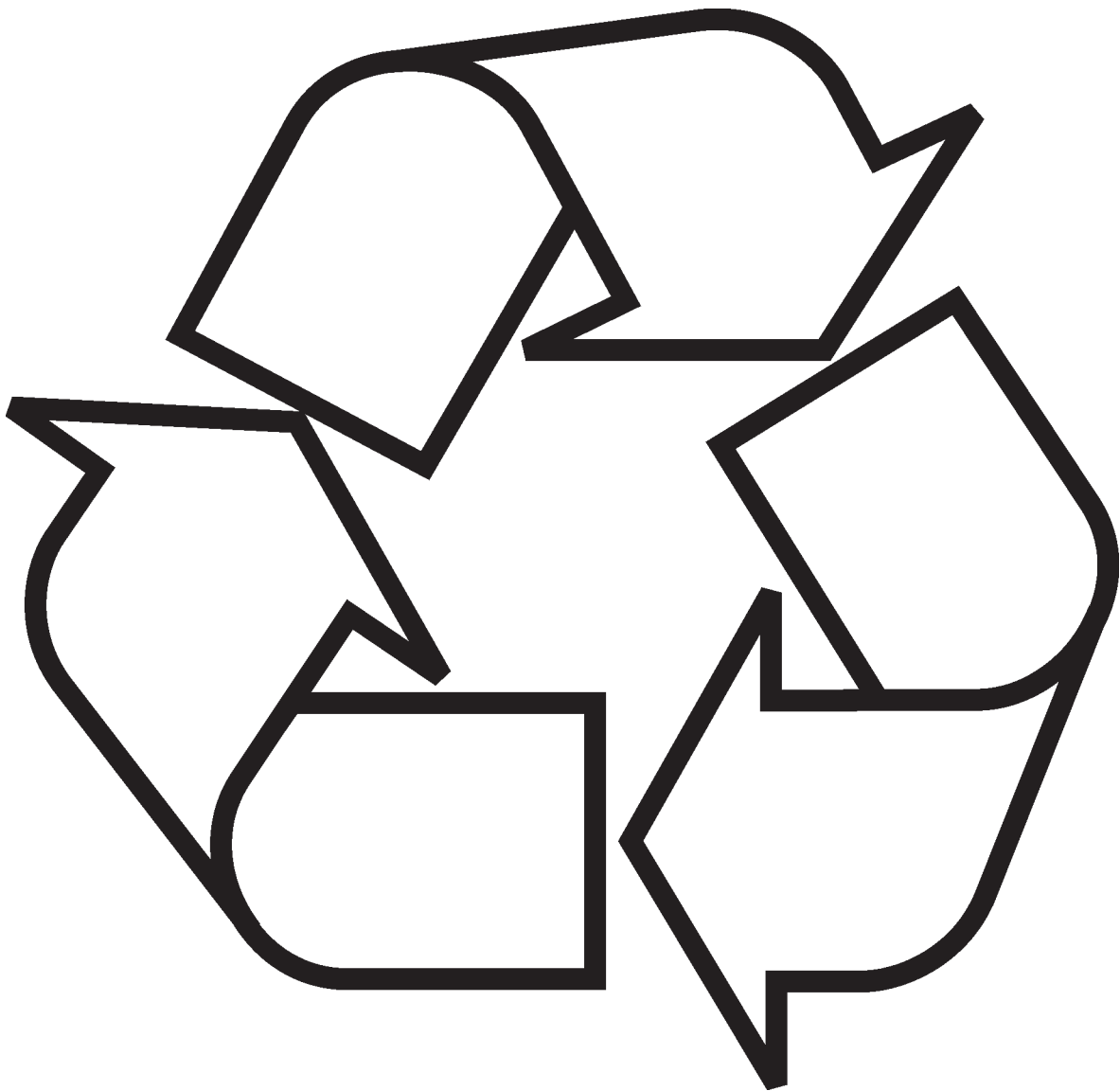
Here are a few good reasons to recycle.

- Recycling saves valuable landfill space.
- Recycling reduces problems associated with trash and litter.
- Recycling conserves natural resources.
- Recycling saves energy.
- Recycling can reduce pollution.



THE CHASING ARROWS

Recycling is a three-step process – collecting material, turning it into a new product, then buying the product. This symbol represents those three steps.

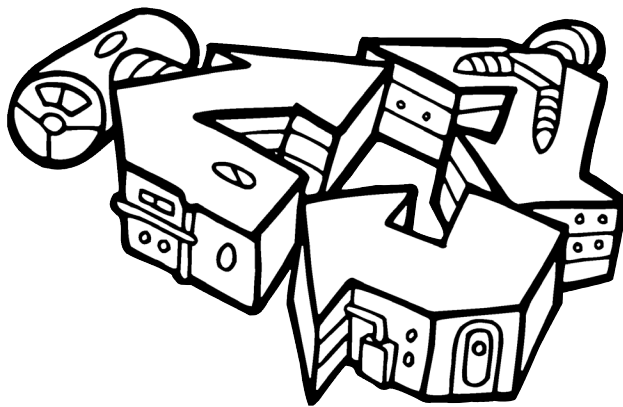


DID YOU KNOW?

Many items can be recycled. Don't toss these items in the trash. These are the basics – ask your local recycling coordinator what else you need to do to recycle right!

ITEMS TO RECYCLE...	WHAT TO DO...
Aluminum cans	Rinse.
Steel cans (soup and food)	Rinse.
Newspaper and advertising inserts	Stack. Keep them dry.
Green, brown and clear glass bottles and jars	Remove lids and rinse.
Plastic bottles and jugs	Rinse.
Paper	Use both sides of your paper, then recycle it.
Paper and plastic bags	Reuse or recycle the bags at your local grocery store or food bank. Reusable bags, made of cloth or canvas, are even better.
Cardboard	Reuse if possible. Flatten to recycle.

To find out what and where you can recycle, please visit scdhec.gov/recycleheresc.



JUMBLE!

The following items can be recycled. Can you unscramble them? Write the unscrambled words in the squares on the right. The answers are listed below.

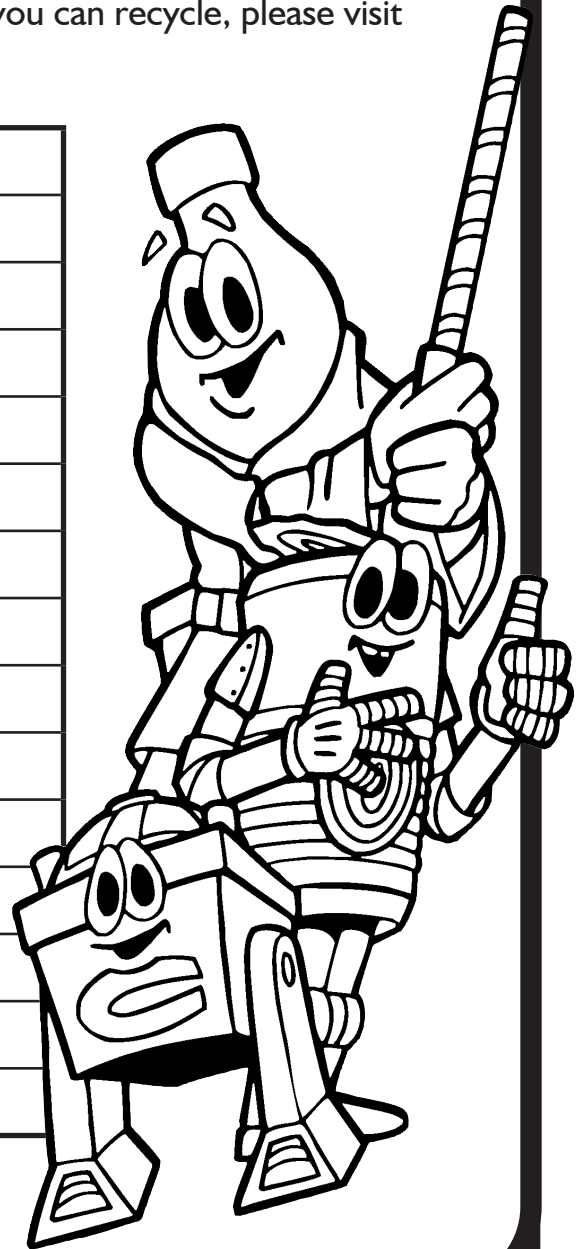
LTACISP TBLTEOS																				
CTAPLIS AGSB																				
LMKI GUSJ																				
PAWESNPRE																				
UMNUIMAL SCNA																				
ARC ARTESBTIE																				
BDORAACDR																				
ESELT ACSN																				
AEPRP SBGA																				
GSASL																				
ILO																				

ANSWERS: PLASTIC BOTTLES, PLASTIC BAGS, MILK JUGS, NEWSPAPER, ALUMINUM CANS, CAR BATTERIES, CARDBOARD, STEEL CANS, PAPER BAGS, GLASS, OIL

WHICH ONES TO RECYCLE?

All of the items listed below can be recycled. Which ones can be recycled in your community? To find out what and where you can recycle, please visit scdhec.gov/recycleheresc.

Clear Glass	<input type="checkbox"/> YES <input type="checkbox"/> NO
Plastic Bottles	<input type="checkbox"/> YES <input type="checkbox"/> NO
Cereal Boxes	<input type="checkbox"/> YES <input type="checkbox"/> NO
Green Glass	<input type="checkbox"/> YES <input type="checkbox"/> NO
Brown Paper Bags	<input type="checkbox"/> YES <input type="checkbox"/> NO
Brown Glass	<input type="checkbox"/> YES <input type="checkbox"/> NO
Aluminum Foil	<input type="checkbox"/> YES <input type="checkbox"/> NO
Milk Jugs	<input type="checkbox"/> YES <input type="checkbox"/> NO
Office Paper	<input type="checkbox"/> YES <input type="checkbox"/> NO
Motor Oil	<input type="checkbox"/> YES <input type="checkbox"/> NO
Steel Cans	<input type="checkbox"/> YES <input type="checkbox"/> NO
Car Batteries	<input type="checkbox"/> YES <input type="checkbox"/> NO
Newspaper	<input type="checkbox"/> YES <input type="checkbox"/> NO
Tires	<input type="checkbox"/> YES <input type="checkbox"/> NO
Plastic Bags	<input type="checkbox"/> YES <input type="checkbox"/> NO

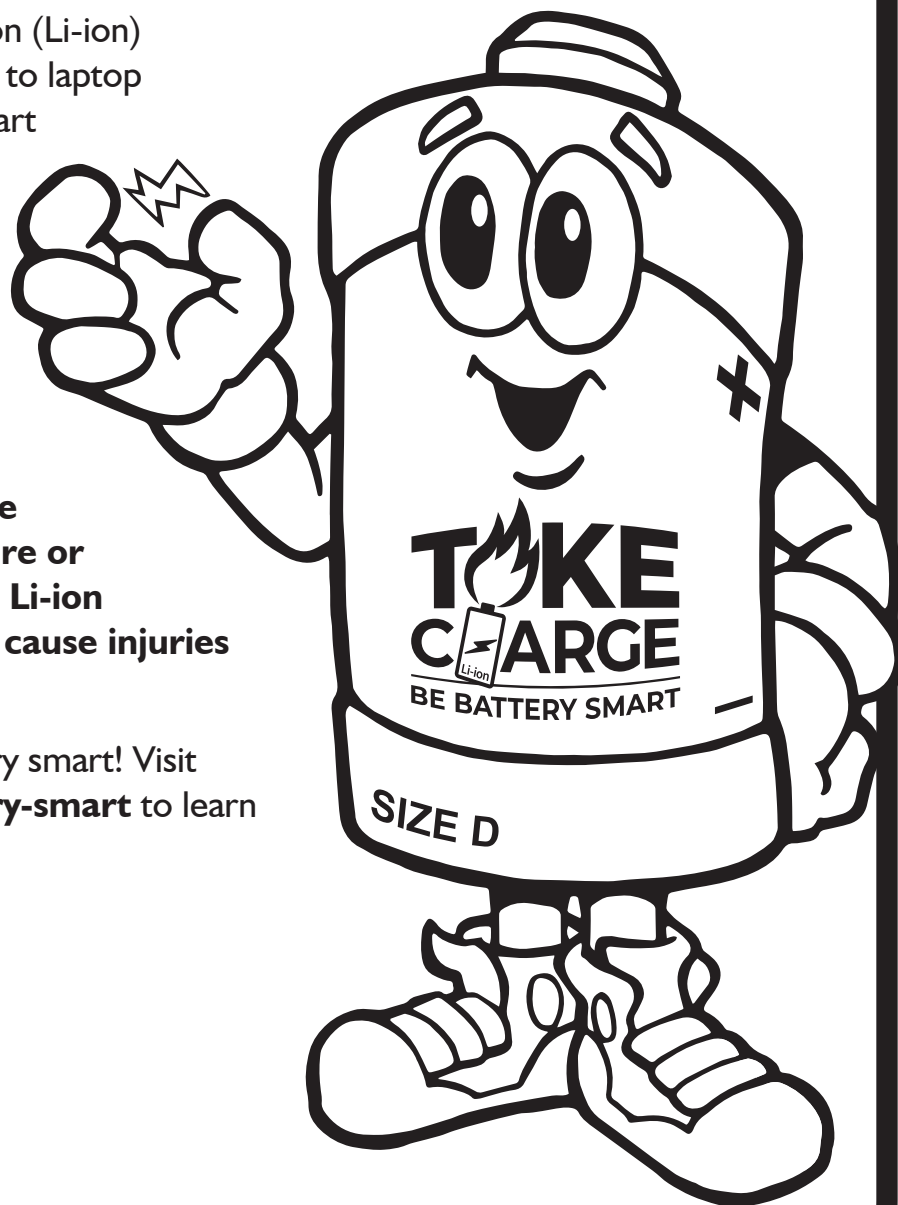


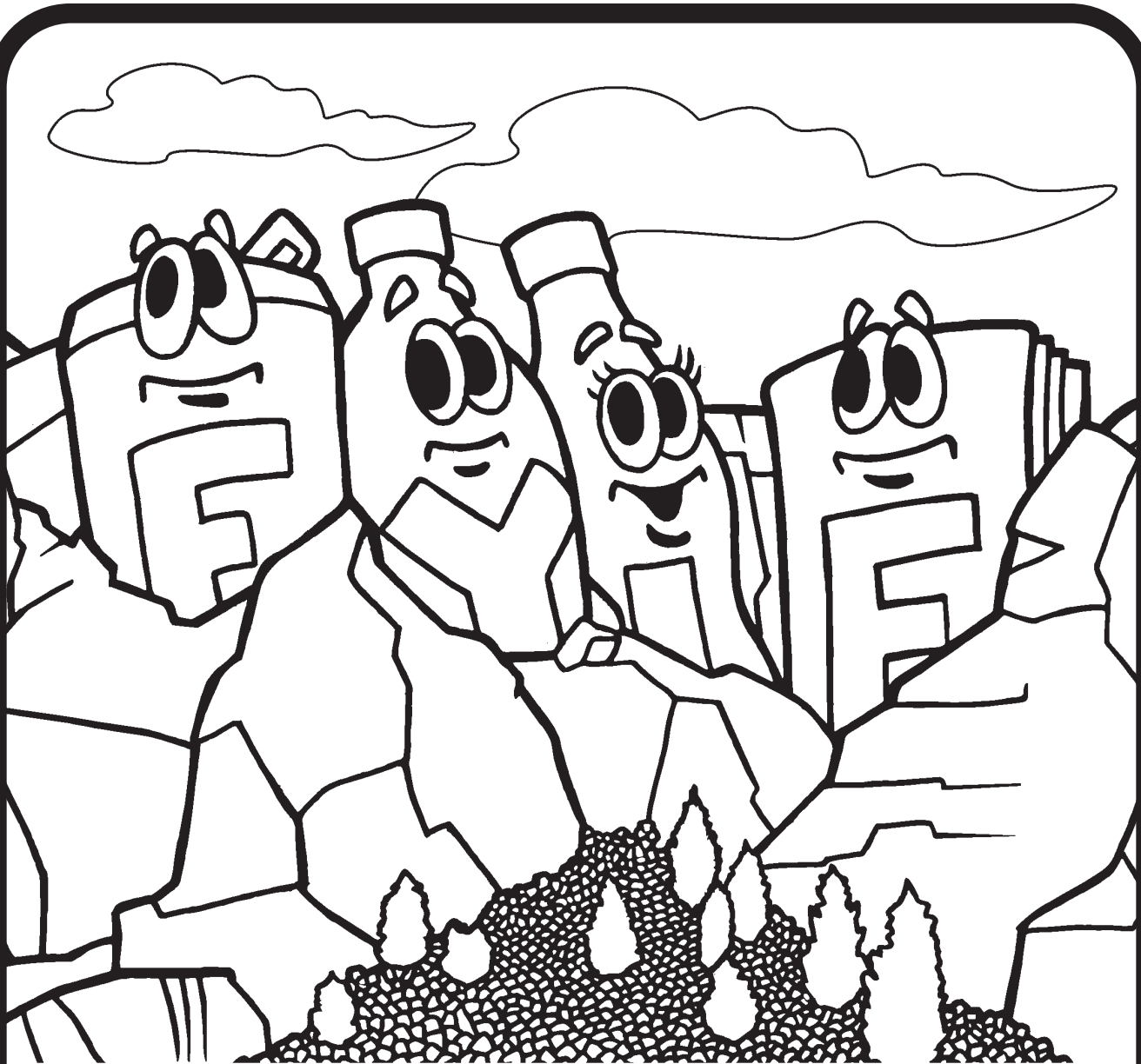
BE BATTERY SMART!

Rechargeable lithium-ion (Li-ion) batteries supply power to laptop computers, tablets, smart phones and watches, hand-held video games, e-bikes, and other devices.

If – however – improperly charged, stored, used, thrown away or recycled, **these batteries can catch fire or explode.** If swallowed, **Li-ion button batteries can cause injuries and death.**

Learn how to be battery smart! Visit scdhec.gov/be-battery-smart to learn more.





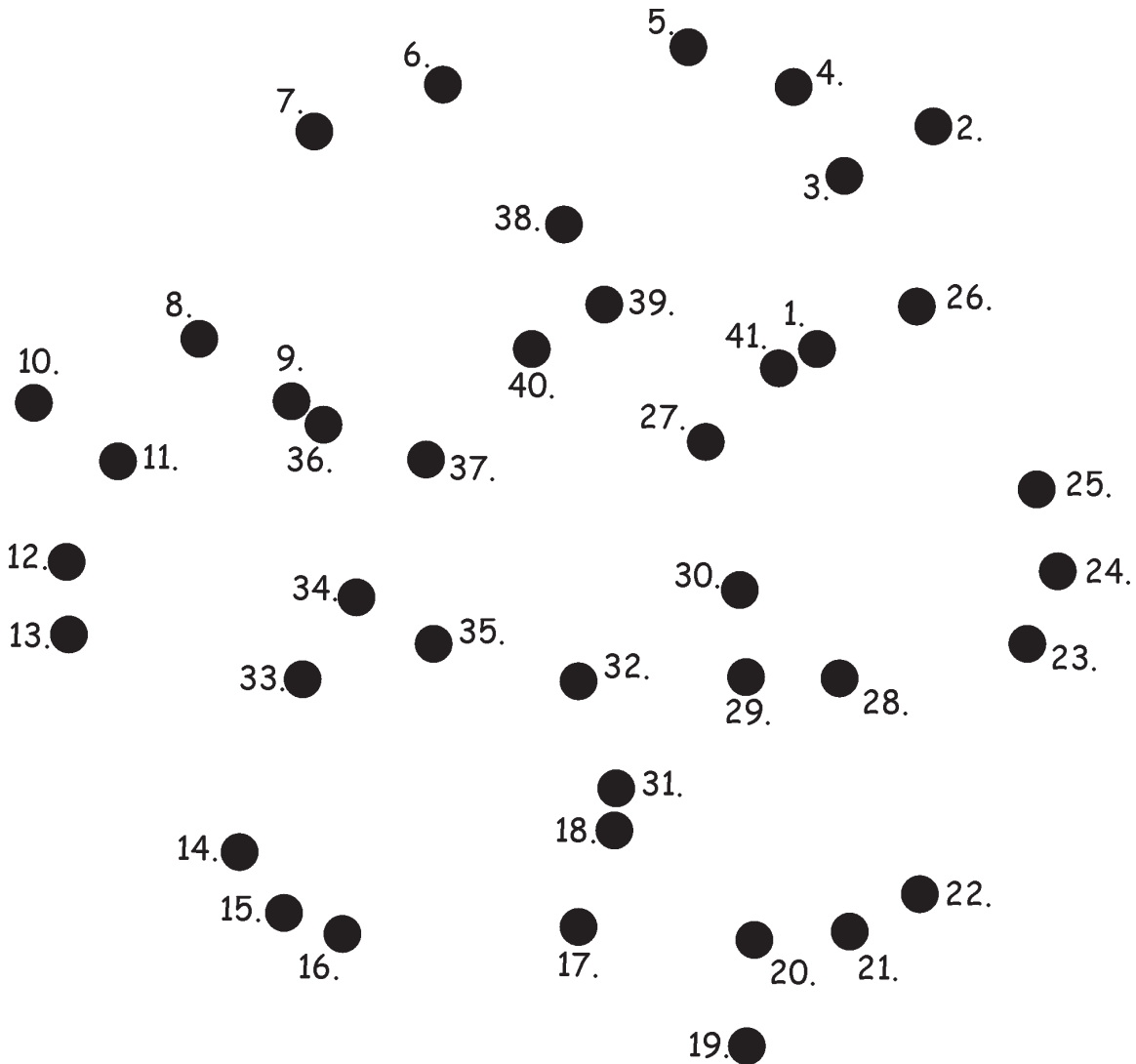
MONUMENT RECYCLEMORE

SOUTH CAROLINA

RECYCLING IS MONUMENTAL! Remember these four simple things:
REDUCE, REUSE, RECYCLE, and RESPECT.

CONNECT THE DOTS!

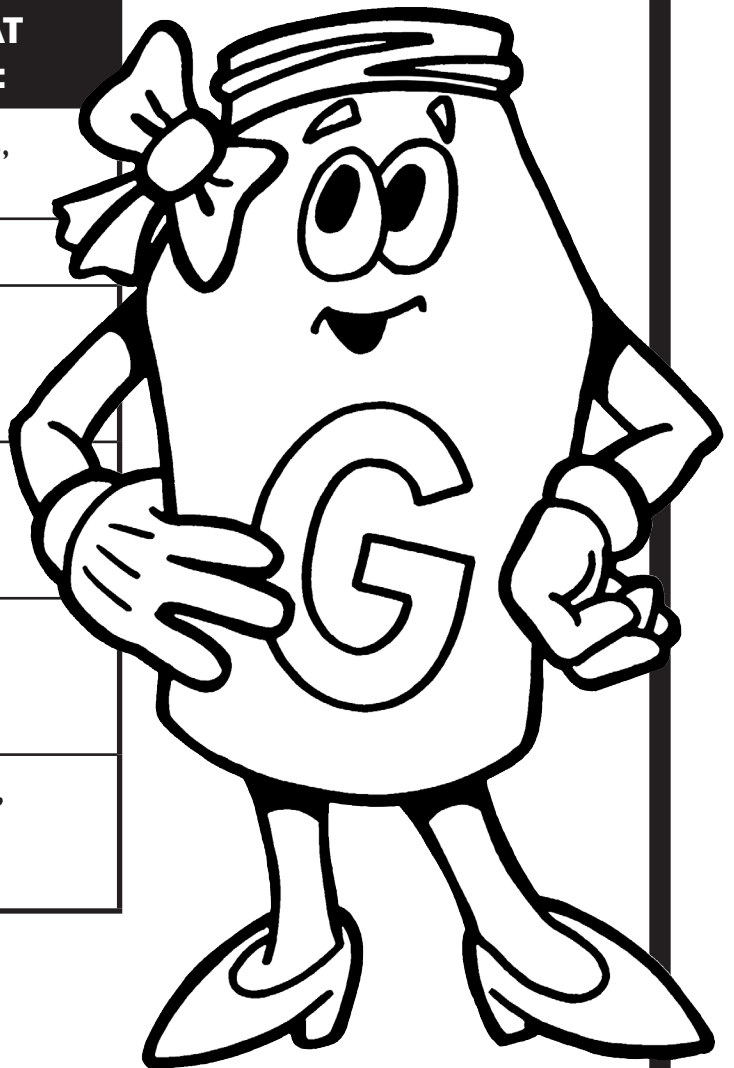
Connect the dots and a familiar image will appear!



RECYCLED MATERIALS

Recycled materials are used to make all kinds of products. Look below to see examples of products that are made from the items you recycle.

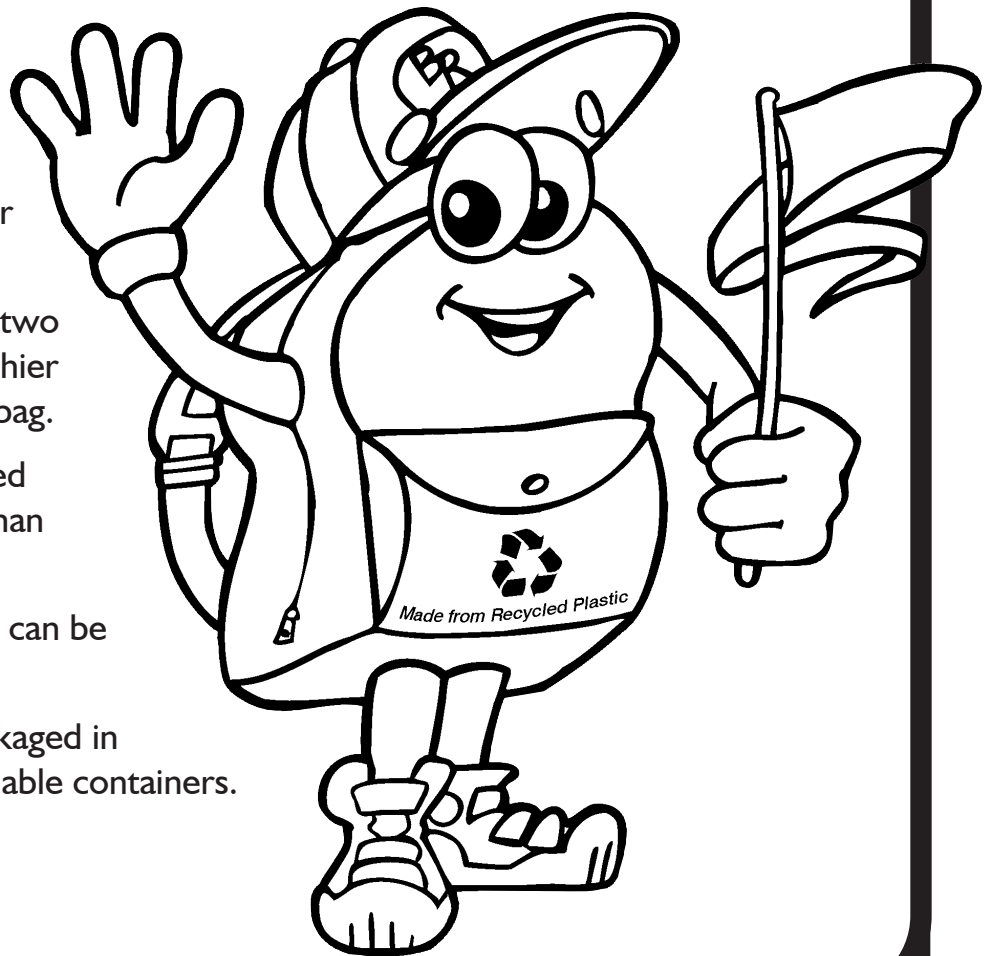
RECYCLE ITEMS:	THINGS THAT ARE MADE:
Aluminum Cans	Soda cans, airplanes, pie pans
Steel Cans	Bikes, nails, cars
Glass Bottles and Jars	Jars, tiles
Plastic Bottles and Jugs	Beverage bottles, tables, carpet, shoes, clothes
Tires	Welcome and playground mats, soaker hoses
Newspaper and Cardboard	Pens, pencils, paper, cereal boxes

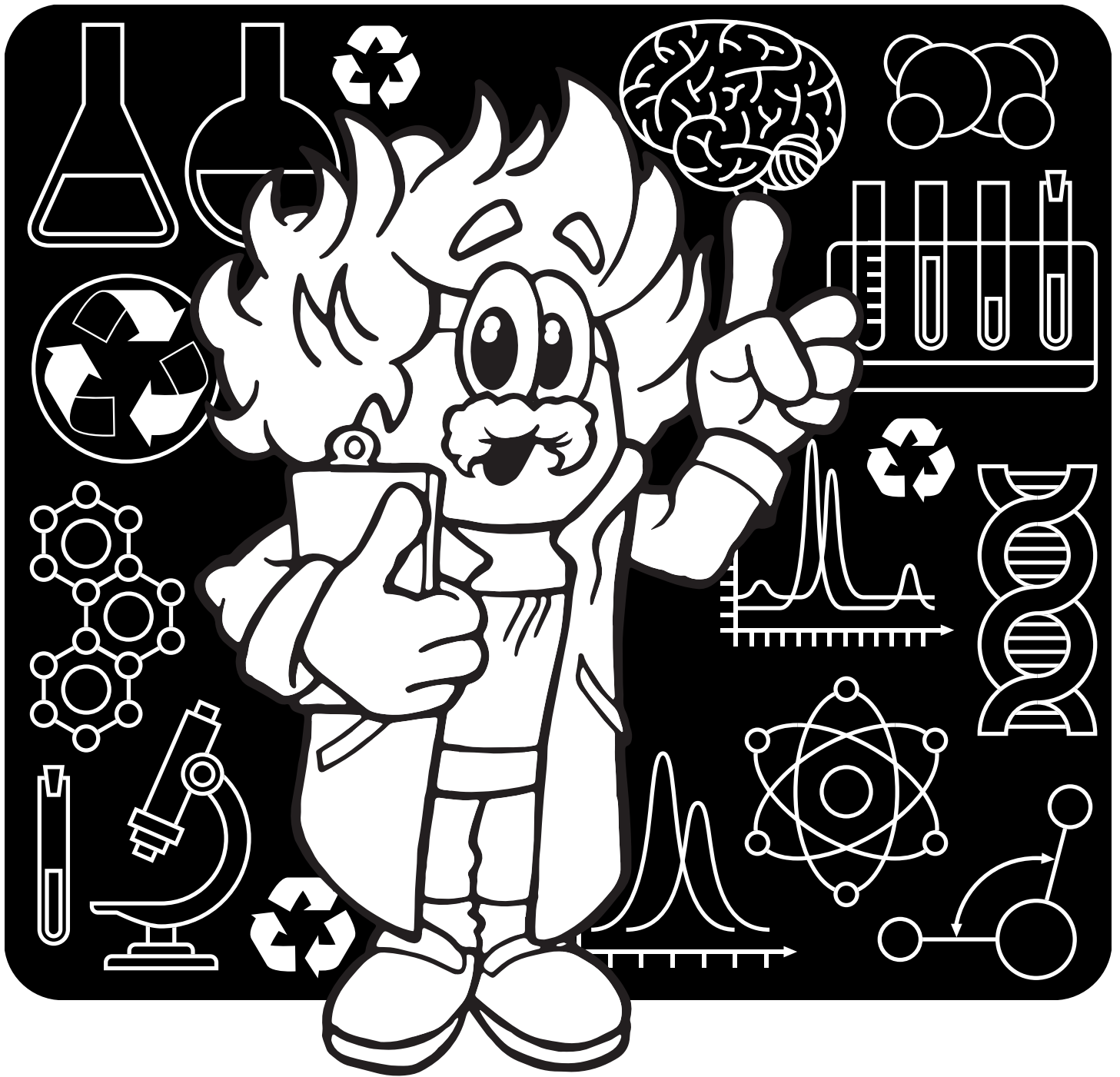


BUY RECYCLED PRODUCTS!

You can reduce the amount of waste going into landfills and help protect the environment by doing these simple things.

- Buy school supplies made from recycled materials. Backpacks and rulers can be made from recycled plastic. Pencils and paper can be made from recycled newspaper and cardboard. What items do you use at school made from recycled materials?
- Take your own reusable bag when you go shopping instead of using a paper or plastic bag.
- If you buy one or two things, tell the cashier you don't need a bag.
- Buy economy-sized products rather than smaller ones.
- Buy batteries that can be recharged.
- Buy products packaged in reusable or recyclable containers.





S.C. Department of Health and Environmental Control • Office of Solid Waste Reduction and Recycling
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Date Printed: _____ Copies Printed: _____ Cost Per Unit: _____ Total Cost: _____