

New York Recycles!



FOR STUDENTS

**Waste Reduction, Reuse, Recycling,
Composting and Buy Recycled
Lessons and Activities for Students**

For More Information Contact
New York State Department of Environmental Conservation
Division of Solid & Hazardous Materials
Bureau of Solid Waste Reduction & Recycling
625 Broadway
Albany, NY 12233-7253
Phone: (518) 402-8705
Email: dshmwrr@gw.dec.state.ny.us
Website: www.dec.state.ny.us



New York Recycles!

November 15

Spelling Words

Easy

Paper
Glass
Ore
Tree
Metal
Sand
Oil
Waste
Litter
Soil
Worms

Moderate

Reduce
Reuse
Recycle
Compost
Buy Recycled
Leaves
Plastic
Garbage
Landfill
Energy
Pollute

Hard

Environment
Aluminum
Biodegradable
Natural Resources
Corrugated
Pollution
Organic
Yard Waste
Microorganism
Waste Stream
Waste Reduction

Extra Credit:

Post-Consumer
Pre-Consumer

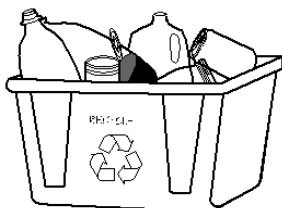


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I think...

1. The best thing about recycling is _____
2. I recycle _____
3. I wish I could recycle _____
4. Throwing away recyclables is _____
5. Learning about recycling is _____
6. My favorite thing to recycle is _____
7. My school recycles _____
8. Sometimes recycling is hard because _____
9. I promise not to litter because _____
10. Other things I do to help my environment are _____



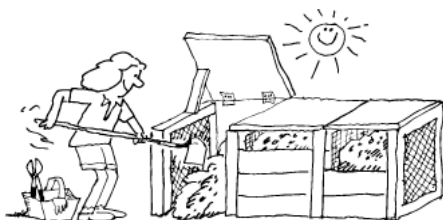
Recycle



Reuse



Reduce



Compost



Buy Recycled

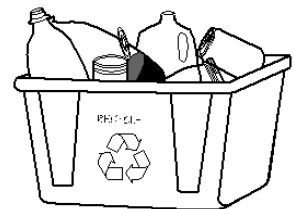
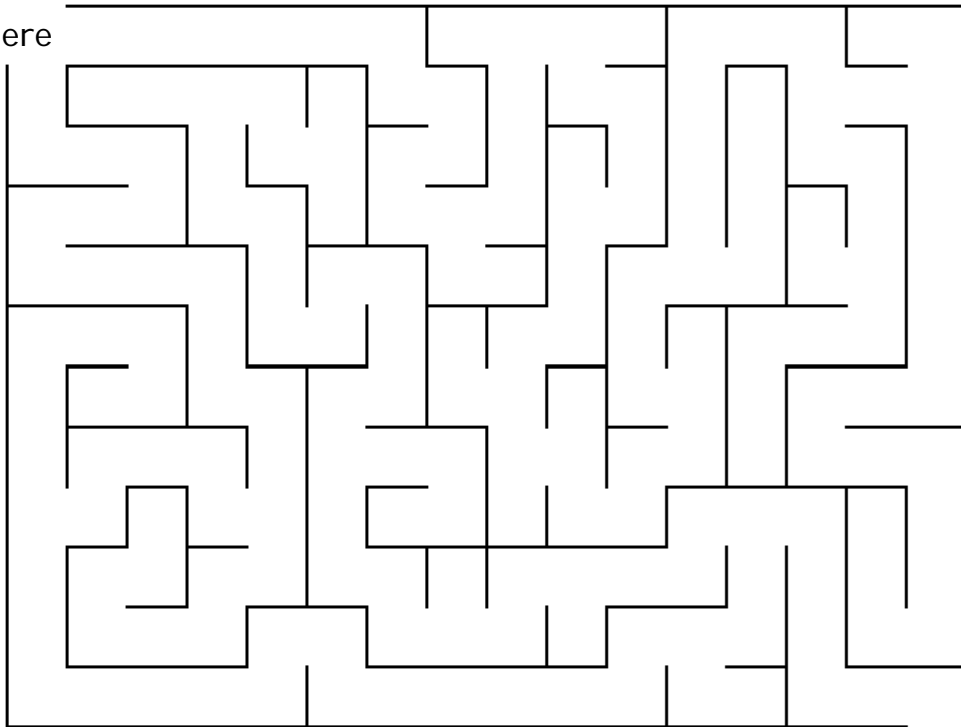


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Help the Recycling "Characters" get the their recycling bin!



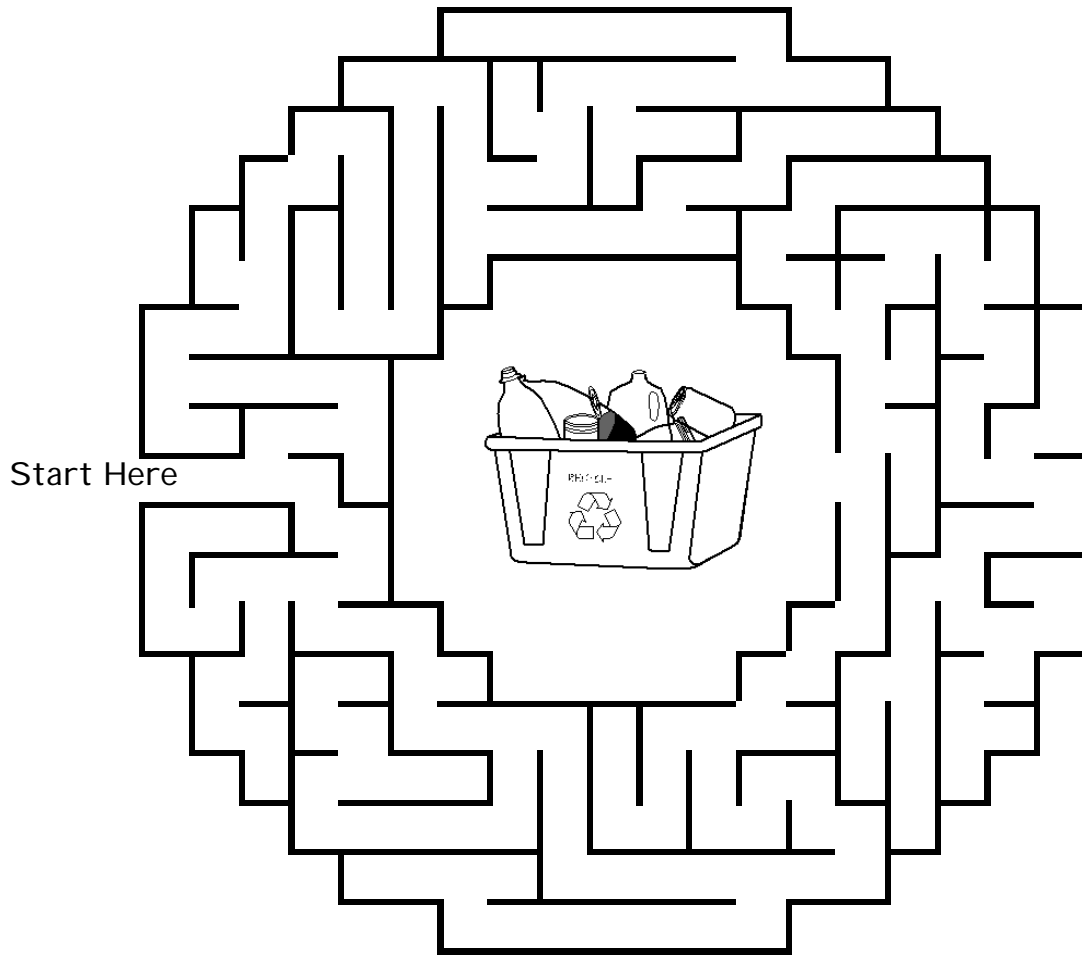
Start Here





New York Recycles!
November 15

Help the Recycling "Characters" get the their recycling bin!





New York Recycles!

November 15

Math - The Coded Message!

Solve the problem, then find the letter in the key that matches the answer and solve the coded message.

$11 - 9 = \underline{\hspace{2cm}} \quad R$

$3 + 2 = \underline{\hspace{2cm}} \quad C$

$8 - 2 = \underline{\hspace{2cm}} \quad N$

$8 - 1 = \underline{\hspace{2cm}} \quad S$

$9 - 5 = \underline{\hspace{2cm}} \quad E$

$8 + 3 = \underline{\hspace{2cm}} \quad U$

$4 + 4 = \underline{\hspace{2cm}} \quad L$

$2 - 1 = \underline{\hspace{2cm}} \quad Y$

$3 + 0 = \underline{\hspace{2cm}} \quad I$

$7 + 2 = \underline{\hspace{2cm}} \quad G$

$9 + 1 = \underline{\hspace{2cm}} \quad F$

2 4 5 1 5 8 3 6 9

 !

3 7 10 11 6



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Math - The Coded Message!

Solve the problem, then find the letter in the key that matches the answer and solve the coded message.

$53 - 38 = \underline{\hspace{2cm}} \quad \text{O}$

$91 - 39 = \underline{\hspace{2cm}} \quad \text{R}$

$77 - 65 = \underline{\hspace{2cm}} \quad \text{N}$

$91 - 15 = \underline{\hspace{2cm}} \quad \text{V}$

$34 - 15 = \underline{\hspace{2cm}} \quad \text{E}$

$24 + 34 = \underline{\hspace{2cm}} \quad \text{L}$

$16 + 16 = \underline{\hspace{2cm}} \quad \text{P}$

$33 + 32 = \underline{\hspace{2cm}} \quad \text{A}$

$19 + 3 = \underline{\hspace{2cm}} \quad \text{S}$

$42 + 21 = \underline{\hspace{2cm}} \quad \text{C}$

$11 + 7 = \underline{\hspace{2cm}} \quad \text{M}$

$17 + 22 = \underline{\hspace{2cm}} \quad \text{K}$

$53 + 39 = \underline{\hspace{2cm}} \quad \text{B}$

$47 + 26 = \underline{\hspace{2cm}} \quad \text{Y}$

$88 - 41 = \underline{\hspace{2cm}} \quad \text{T}$

$52 - 25 = \underline{\hspace{2cm}} \quad \text{D}$

$72 - 31 = \underline{\hspace{2cm}} \quad \text{W}$

$63 - 47 = \underline{\hspace{2cm}} \quad \text{F}$

63 19 58 19 92 52 65 47 19 12 19 41 73 15 52 39

52 19 63 73 63 58 19 22 27 65 73 15 12

 15 !

12 15 76 19 18 92 19 52



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Sort, Recycle, Save!

Color the item in each box.

Then circle the items that can be recycled in your recycling program.



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Draw a Line from the Raw Material to the Product.

Raw Material



Product



Metal Cans



Fiberglass Insulation



Plastic Bottles



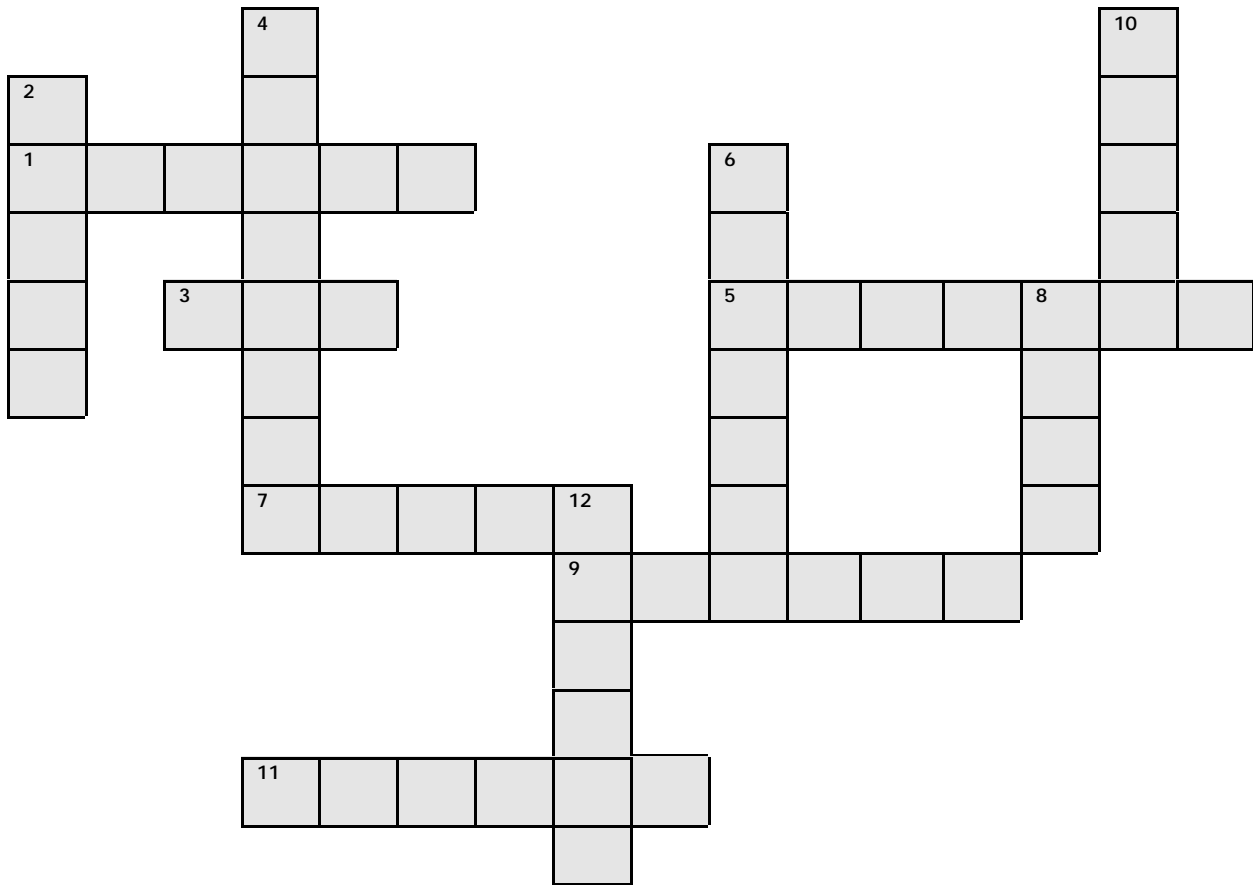
Paper Towels



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Crossword Puzzle



Across

1. If we do not make garbage to begin with, we _____.
3. Plastic is made from _____.
5. When leaves, grass clippings, fruit and vegetable waste rots, we call it _____.
7. If we recycle one ton of _____, we save 2,500 pounds of iron ore, 1,000 pounds of coal and 40 pounds of limestone.
9. When we recycle we save natural resources, time, money, landfill space and _____ and we make less pollution.
11. Trash thrown along roads, shorelines and other places it doesn't belong is called _____.

Down

2. If we recycle one ton of paper, we save 17 _____.
4. If we recycle one _____ can, we save enough energy to run a TV for three hours.
6. If we take materials that would otherwise be waste and turn it into something new, we _____.
8. Metals come from _____.
10. _____ work to breakdown leaves, grass, fruit and vegetable wastes into compost.
12. _____ make great compost when mixed with grass clippings and certain food wastes.



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Word Search

Find these words in this puzzle and circle them.

Look from right to left and down!

REDUCE
REUSE
RECYCLE

BIN
TREE

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



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Word Search

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

Find these words in this puzzle

Look from right to left, left to right, upside down, and diagonally!

Aluminum

Batteries

Compost

Environment

Glass

Leaves

Metal

Oil

Ores

Paper

Plastic

Recycle

Reduce

Reuse

Sand

Trees



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Word Jumbles

Unscramble the Words and Solve the Puzzle

DECUER

--	--	--	--	--	--	--	--

LMATE

--	--	--	--	--	--

LCYREEC

--	--	--	--	--	--	--	--

STOOMCP

--	--	--	--	--	--	--	--

TCPASLI

--	--	--	--	--	--	--	--

EUSRE

--	--	--	--	--	--	--

ULOTNI OPL

--	--	--	--	--	--	--	--	--	--

EPRPA

--	--	--	--	--	--	--

SAGLS

--	--	--	--	--	--

YBU DECCLEYR

--	--	--	--	--	--	--	--	--	--

If You _____,

You Use Less _____!



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How Long Will it Last????

Write Down How Long You Think The Item
Will Last Before It Decomposes (rots) !!

Some answers are used more than once.

PICK FROM THE FOLLOWING

1 - 3 Months

10 - 20 Years

200 - 400 years

1- 5 Years

100 Years

More than 500 Years

ALUMINUM CAN



GLASS BOTTLE



METAL CAN



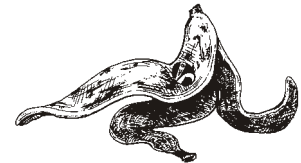
CIGARETTE BUTTS



PAPER CUP



BANANA PEEL



DISPOSABLE DIAPERS



WOOL SOCKS



6-PACK HOLDER





New York Recycles! Pledge Card and Entry Form



Here is how I am renewing my commitment to recycling in the coming year.
(Check all appropriate boxes)

- I will recycle at home, work and/or school.
- I will buy recycled-content products and packaging.
- I will purchase environmentally friendly products.
- I will try composting at home.
- I will leave my grass clippings on the lawn.
- I will encourage others to reduce, reuse and recycle.

Please enter me in the NY State Drawing to promote recycling and buying recycled that will be held on or about December 1, and the National America Recycles Drawing on or about December 15
One entry per person. No purchase necessary.
Your name will be kept confidential, it will not be sold to a mailing list.

Name _____

Daytime Phone (_____) _____
Please include your Area Code

- Please check here if you are under the age of 18.
- For contest rules, write to the address below or check out our website www.dec.state.ny.us
Return form by 11/20 to: NYSDEC, NY Recycles!, P.O. Box 10279, Albany, NY 12201-5279

TEN GREAT WAYS TO CELEBRATE Our Family Pledges To:

Keep this end, mail or return
to your teacher the top part.

1. **Commit** to "Recycle" at home, work and school and encourage the use of recycled-content products and packaging at your home, office and school.
2. **Organize** a display of what materials can be recycled in your local recycling program or display recycled content products and packaging at your local church, office, school, grocery store or retail shopping center.
3. **Ask** local retailers to stock more products made from recycled materials.
4. **Look** for "safe bets" that always have recycled content: steel, aluminum, glass, molded pulp containers.
5. **Purchase** remanufactured products and equipment such as toner cartridges, office furniture, auto parts, re-refined oil or retreaded tires.
6. **Teach** children why "If you are buying recycled, then you really are recycling!" Organize a tour of a local facility that manufactures recycled-content products or packaging.
7. **Purchase** products you know can be recycled in your community.
8. **Call or write** the manufacturer if one of your favorite products does not have recycled content, and ask them to change it.
9. **Read** product labels and look for recycled content, especially post-consumer content.
10. **Remember**, waste reduction is important, too. Look for ways to not make garbage. Composting is a great way to start.

2006 State Steering Committee Members

ABC, Inc
Consolidated Edison Company
Erie County Environment & Planning
Eastman Kodak Company
Federation of NY Solid Waste Associations
Institute of Scrap Recycling Industries
Lockheed Martin
NYS Association of Environmental
Management Councils
NYS Department of Environmental Conservation
Onondaga County Resource Recovery Agency
Verizon

It takes more energy to make a new product like a can or bottle from virgin materials than it does to make a product by recycling.

Recycling saves energy, natural resources, money, time, landfill space, makes less pollution including less greenhouse gases and creates jobs!

For example:

Recycling Paper... For every ton of paper recycled, we

Save 463 gallons of oil.

Save 7,000 gallons of water.

Make 60 pounds less of air pollution.

Save 3 cubic yards of landfill space.

Save 4,100 kilowatt hours of energy.

Save 17 trees.

Reduce carbon dioxide emissions by 850 pounds per year!

Recycling Aluminum... For every ton of aluminum recycled, we...

Reduce energy use by 90 percent.

Save enough energy recycling just one can to run a TV for 3 hours.

Reduce air pollution by 95 percent.

Reduce carbon dioxide emissions by

13 tons!

Save 237 Btu's of energy.

For more information visit:

the National Website at

www.americarecyclesday.org

or the State Website at

www.dec.state.ny.us/website/dshm/

redrecy/recyliday.htm

or call (518) 402-8705

Certificate of Appreciation

Your Teacher and the
New York State Department of Environmental Conservation
awards this certificate to



for learning about and participating in *New York Recycles!*

Cut Here-----

Thank you for participating in New York Recycles!

If you have any comments on these materials or other
suggestions, please contact us at:

New York State Department of Environmental Conservation
Bureau of Solid Waste Reduction & Recycling

625 Broadway

Albany, NY 12233-7253

Phone: (518) 402-8705

Email: dshmwrr@gw.dec.state.ny.us