

Name: \_\_\_\_\_

# Why Waste? - A Change In Habits

By Mary Perrin

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Reduce the amount of waste in your classroom. Make a goal to form new classroom habits. The new habits you form are geared towards helping the environment. Check out these new habit ideas for reducing the amount of waste in your classroom.

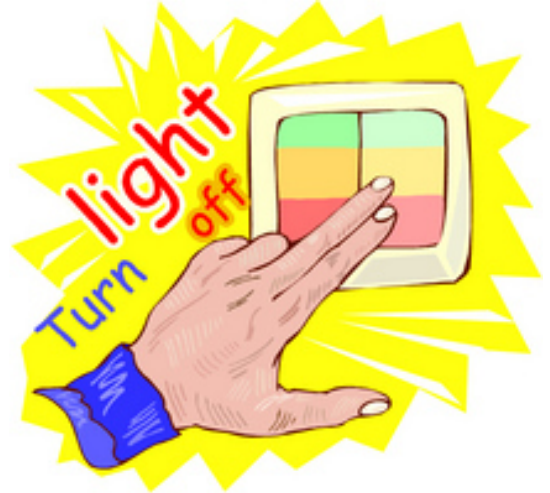
1) Recycling - Cut back on the amount of trash you throw away. Get a large box or bin. Place the bin next to the garbage can. Throw the papers into the bin instead of throwing the papers in the trash. Take the bin to a recycling center once the bin is full of paper. Many schools earn money for the amount of paper they are able to collect and recycle. Help your school by recycling paper.

2) Reducing - Reduce the amount of paper you use. Make it a habit to write on both sides of your notebook paper. Also try writing your words smaller so you can fit more on a sheet of paper. The more words you can fit on both sides of your paper, the fewer sheets of paper you will need. Do not write too small though. Others need to be able to read your handwriting.

3) Conserving - Turn off the lights when you are not in the classroom. Also, turn off computers when they are not being used. Closing the window blinds will also help save energy.

4) Reusing - Use paper from the recycling bin. Create art projects or scrap paper for math problems. Turn your classroom trash into treasures!

Your new habits will soon become old hat. This means that by doing them over and over again the habits will become part of what you do without even thinking about doing them. Make a point to take care of the environment. Talk with your teacher and your parents to see what ideas they might have. You learn to take care of yourself when you learn to take care of the environment. Taking care of the environment is a group effort!



Why Waste? - A Change In Habits

## Questions

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1. Taking care of the land, water, plants, animals, and air is important. All of these things make up our \_\_\_\_\_.

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\_\_\_\_\_ 2. You can learn to create new \_\_\_\_\_ to help you better take care of the environment.

- A. stories
- B. messes
- C. landfills
- D. habits

\_\_\_\_\_ 3. One person alone has the power to keep the environment clean and healthy for everyone else.

- A. False
- B. True

Name: \_\_\_\_\_

- \_\_\_\_\_ 4. Which of the following is one way to conserve energy and prevent waste?
- A. Turn off unused computers.
  - B. Turn off lights when you do not need them.
  - C. Close window blinds.
  - D. All of the above
- \_\_\_\_\_ 5. The ideas presented in the passage for reducing the amount of waste are the only ideas people have come up with so far.
- A. False
  - B. True

<p style="text-align: center;">Expand the number.</p> <p>2,769 = <u>2000</u> + _____ + _____ + _____</p>	<p>You ask Anne for the time. She says it is three minutes past five. Write the time on your digital clock:</p> <div style="border: 1px solid black; border-radius: 15px; width: 100px; height: 30px; margin: 10px auto; display: flex; align-items: center; justify-content: center;"> <span style="font-size: 2em;">:</span> </div>
<div style="display: flex; justify-content: space-around;"> <div>5 + <span style="border: 1px solid black; display: inline-block; width: 30px; height: 20px;"></span> = 8</div> <div>18 + <span style="border: 1px solid black; display: inline-block; width: 30px; height: 20px;"></span> = 25</div> </div>	

$\begin{array}{r} 23 \\ - 14 \\ \hline \end{array}$	<p>Fill in the blanks with these numbers: <b>9, 1, 1</b></p> <div style="display: flex; justify-content: space-around; margin-top: 10px;"> <div>8      8</div> <div>4      <span style="border: 1px solid black; display: inline-block; width: 30px; height: 20px;"></span></div> </div> <div style="display: flex; justify-content: space-around; margin-top: 10px;"> <div> <math>+</math> <span style="border: 1px solid black; display: inline-block; width: 30px; height: 20px;"></span> <span style="border: 1px solid black; display: inline-block; width: 30px; height: 20px;"></span> </div> <div> <math>+</math> 5      3         </div> </div> <div style="display: flex; justify-content: space-around; margin-top: 10px;"> <div>9      <span style="border: 1px solid black; display: inline-block; width: 30px; height: 20px;"></span></div> <div><span style="border: 1px solid black; display: inline-block; width: 30px; height: 20px;"></span>      <span style="border: 1px solid black; display: inline-block; width: 30px; height: 20px;"></span></div> </div>	$\begin{array}{r} 68 \\ + 11 \\ \hline \end{array}$	<p>Fill in the blanks with these numbers: <b>5, 8, 9</b></p> $\begin{array}{r} 17 \\ + 61 \\ \hline \end{array}$
	<div style="display: flex; justify-content: space-around;"> <div> <math>10 +</math> <span style="border: 1px solid black; display: inline-block; width: 30px; height: 20px;"></span> <math>= 14</math> </div> <div> <math>7 +</math> <span style="border: 1px solid black; display: inline-block; width: 30px; height: 20px;"></span> <math>= 9</math> </div> </div>		

$\begin{array}{r} 96 \\ + 98 \\ \hline \end{array}$	<p>Color in <math>\frac{1}{2}</math> of the rectangle.</p> <div style="border: 1px solid black; width: 150px; height: 40px; margin: 10px auto;"></div>	$82 + 7 = \underline{\hspace{2cm}}$
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$57 - 7 = \underline{\hspace{2cm}}$	$27 - 3 = \underline{\hspace{2cm}}$	$\begin{array}{r} 9 \\ 1 \\ + 2 \\ \hline \end{array}$	$9 + \text{} = 16$
	$5 + \text{} = 9$		$5 + \text{} = 18$

**My Name:** \_\_\_\_\_



**Think it. Draw it! This is a picture of  
a party for Earth. The other planets  
were invited to the party!**



## Recycling

Name a person who is extremely good at reducing, reusing, and recycling materials.

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In my opinion, the easiest thing to remember to recycle is

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In my opinion, the most difficult thing to remember to recycle is

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Where does your family place things to be recycled?

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Someone left an empty container in your room. You've never seen this type of container before. How do you know if it should be thrown out or recycled?

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Draw a picture of four things that can be recycled.



## Earth Day

Come up with an Earth Day resolution for someone in your family. Who is the resolution for? What is the resolution?

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I'm going to tell these three people about Earth Day:

1. 

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2. 

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3. 

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These are ten things I can do to celebrate Earth Day. Rank these activities from least important (1) to the one you think is the most important (10).

- reduce waste
- use less electricity
- reuse something old
- walk or ride my bike
- recycle something
- learn about endangered animals
- plant a tree or garden
- start a compost pile
- pick up litter
- reduce mail



**Think it and Draw It!**

What does it mean to go "green"? It means that people are doing things to help protect the Earth from harm.

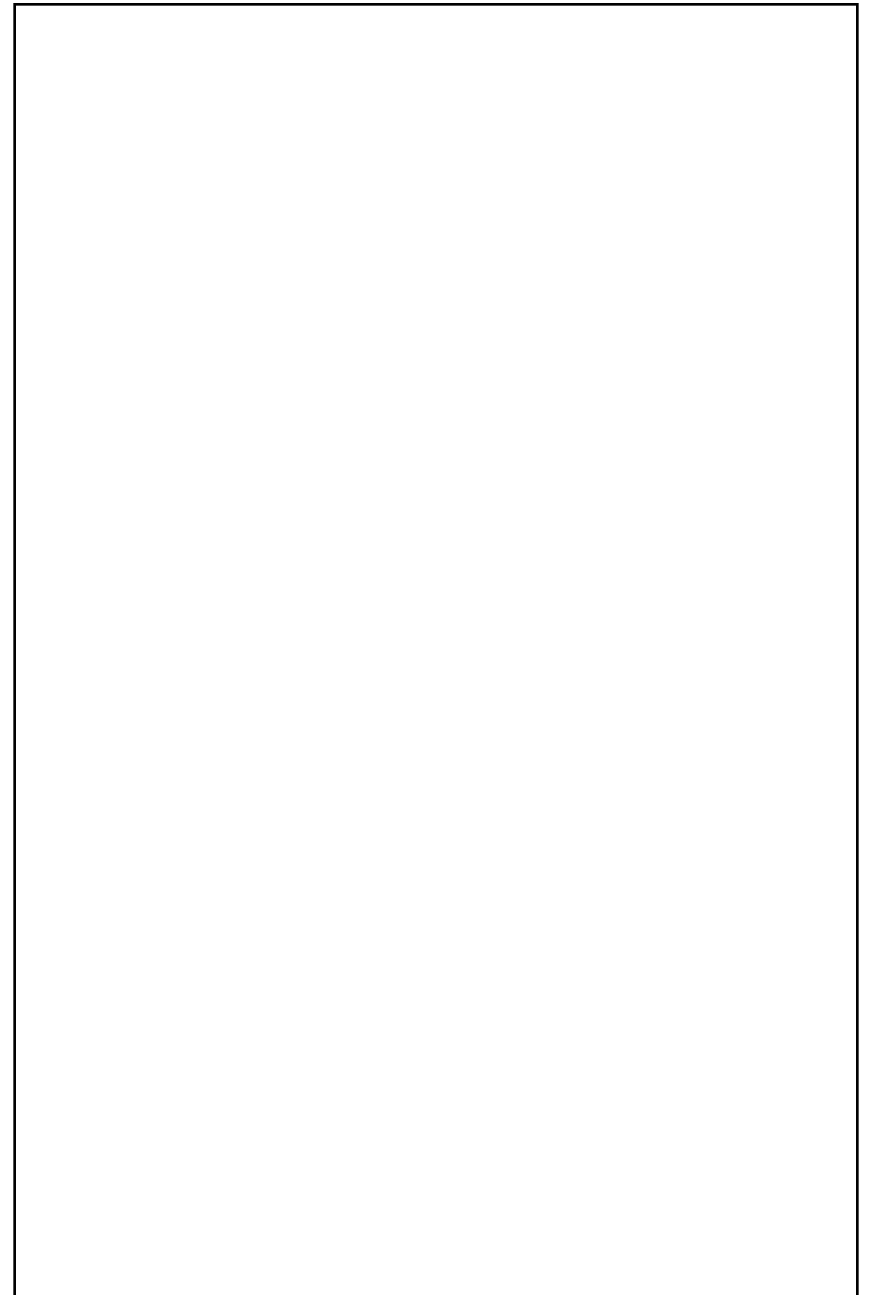
Create a "green" superhero that saves the Earth from pollution.

What is your superhero's name?

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What does your superhero do to help the Earth?

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**Draw a picture of your superhero as he/she protects the Earth.**



## Light Bulbs

How many light bulbs are in your room?

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Which room in your house has the most light bulbs?

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How many light bulbs are in that room?

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## Our School

What do you do with your school papers after your teacher has graded them and you have shown them to your parents? (circle one)

Throw them in the trash.

Place them in the recycle bin.

We keep all my papers.

other: \_\_\_\_\_

Mr. and Mrs. Fred Earth are coming to your class to talk about Earth Day. Write one question you'd like to ask them.

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**Circle all the things that your class does.**

recycles paper

turns the classroom lights off when no one is in the room

uses a manual pencil sharper instead of an electric sharpener

keeps windows shut when the school's air conditioner or heater is running

recycles ink cartridges

recycles batteries

**If we had to read one book for Earth Day from one of these topics, I would pick (circle one)**

endangered animals      global warming

national parks              gardening

**A large tree fell in the school yard. What do you think your school should do? (circle one)**

Leave it alone.

Chop it up and use it as firewood.

Use it in the playground.

Call someone to come haul it away.

other: \_\_\_\_\_





**Trash**

Three things that I've put into the trash this week:

1. \_\_\_\_\_
2. \_\_\_\_\_
3. \_\_\_\_\_



**Old Things**

What do you do with the following things?

your old clothes \_\_\_\_\_

\_\_\_\_\_

batteries that no longer work \_\_\_\_\_

\_\_\_\_\_

a pen with no ink \_\_\_\_\_

\_\_\_\_\_

You have a present for a birthday party you are going to today, but you forgot to buy wrapping paper. What could you do?

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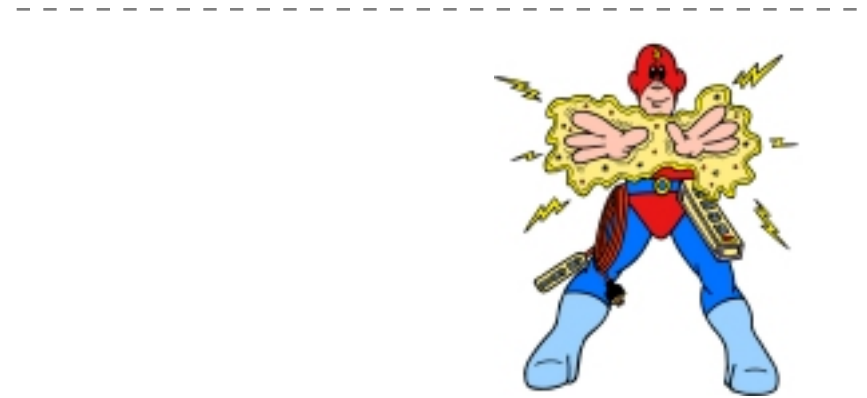
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Five things in my house that we don't need and we should consider how to throw out:

1. \_\_\_\_\_
2. \_\_\_\_\_
3. \_\_\_\_\_
4. \_\_\_\_\_
5. \_\_\_\_\_



Five things in my house that use electricity are:

1. \_\_\_\_\_
2. \_\_\_\_\_
3. \_\_\_\_\_
4. \_\_\_\_\_
5. \_\_\_\_\_



## Reduce your Mail

Who is sending mail to your family?  
Look at the mail your family received  
this week. Write three things that  
were received.

1. \_\_\_\_\_
2. \_\_\_\_\_
3. \_\_\_\_\_

What could your family do to receive  
less mail? Talk to other members of  
your family and write down your ideas:

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## Thermostat in your Home

We keep our home at

\_\_\_\_\_ degrees

Fahrenheit during the day and

\_\_\_\_\_ degrees

Fahrenheit while we sleep.

Name: \_\_\_\_\_

# Human Impact on Earth

By Patti Hutchison

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Land, water, air: our lives depend upon them. The Earth has generously given us these resources for millions of years. Since humans evolved, our population has grown rapidly. We have used and abused our Earth and its resources.

Humans have had a serious impact on the land. We use it to grow crops to feed our growing population. We also use it to provide energy. Each year one person in North America uses resources equal to 12 acres of land!

One of the largest impacts humans have had on the Earth is the mining of mineral resources. Almost everything we use is made of metals and other land resources. We use copper to make wires that carry our electricity. We use sand and gravel to pave our roads. Many of our appliances are made of aluminum and other metals.

The extraction of all these resources takes a toll on the Earth. Large amounts of soil and rock need to be moved. The landscape is completely changed. Topsoil is lost. Ecosystems are disturbed.

Farming disrupts the natural ecosystems that exist on Earth. Chemicals are used to kill pests such as insects and weeds. These chemicals can harm plants and animals that are good for the environment. When fields are plowed, topsoil is lost. It can take thousands of years for it to form again.

Forests are often cut down. They provide wood for building and heat. Forests are also cleared to make more land for farming. This also causes loss of precious topsoil. Many species of animals are left homeless. Many forests have been cleared to build cities. Another negative impact from this is a huge amount of solid waste. This waste pollutes more of our precious land.

Humans also depend on water. We drink it. We bathe in it. We cook with it. We irrigate crops with it. Industries use it to cool heavy machines. We couldn't live without water. However, we take it for granted.

Human activities pollute our precious water supplies. Toxins leak from landfills, septic systems, and other sources. They can seep into the groundwater. Road salts and fertilizers cause pollution. Once the groundwater is polluted, it is very hard to clean up. It can become unusable.

Even though the ocean is huge, it can still become polluted. Coastal areas are often harmed. Sewage water is a major source of pollution in these areas. It carries bacteria into the water. The bacteria use up all the oxygen in the water, killing fish and other marine animals.

Humans and other animals depend on the air we breathe. Yet human activities pollute the air we need to survive. Exhaust from automobiles produces smog. The smoke coming from industrial smokestacks puts soot and chemicals into the air. These pollutants cause acid rain. This has a negative effect on plants and soil. Air pollution is not a problem of just one country. It is a global problem. The air above us does not stay in one place. Winds carry air all around the Earth. Air pollution is a growing concern.

Human activities are also causing the ozone layer to become thinner. This layer of the atmosphere absorbs a lot of the harmful rays of the sun. This thinning will lead to eye damage and cancer in humans. Crop yields will be reduced.

The Earth has taken care of us for many years. It has given us the land, water, and air we need to live, work, and play. It is time we started taking care of our Earth. One person can make a difference. Find out what you can do to help reduce pollution and your negative impact on the Earth and its resources.



Name: \_\_\_\_\_

Human Impact on Earth

## Questions

\_\_\_\_\_ 1. Each year, one person in North America uses resources equal to how much land?

- A. 120 acres
- B. 12 acres
- C. 12 miles

2. Name two ways farming has a negative impact on the land.

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\_\_\_\_\_ 3. Groundwater that is polluted is easily cleaned up.

- A. true
- B. false

\_\_\_\_\_ 4. A major source of pollution in the coastal areas of the ocean is:

- A. coal
- B. sewage water
- C. loss of topsoil

\_\_\_\_\_ 5. Many lung diseases are caused by:

- A. water pollution
- B. cutting down forests
- C. air pollution

\_\_\_\_\_ 6. Chemicals put in the air by industrial smokestacks cause:

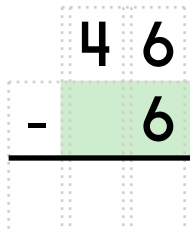
- A. acid rain
- B. loss of topsoil
- C. sewage water

H, J, \_\_\_\_\_, K, J, L, K,  
M, L, N

If you know  
 $74 + 24 = 98$   
Then what is  $74 + 21$ ?

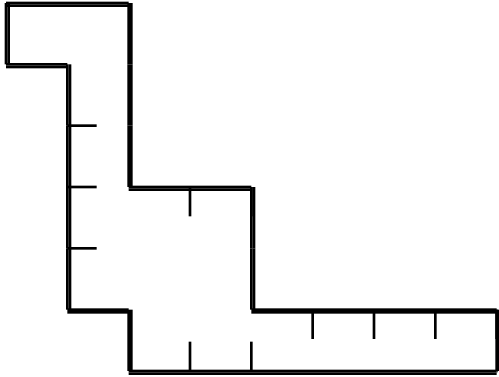
How many hours are there  
from 8 a.m. to 7 p.m.?

Write this number:  
3 thousands, 2 hundreds, 8  
tens, 7 ones

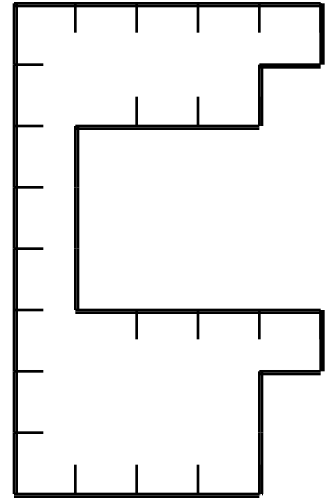


double 500

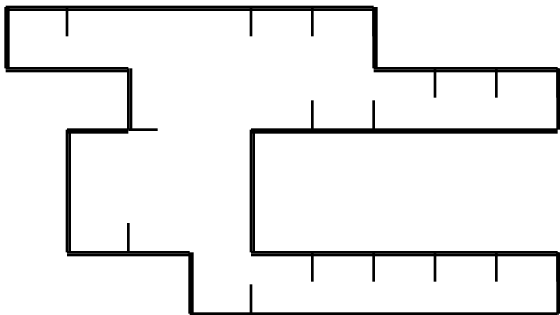
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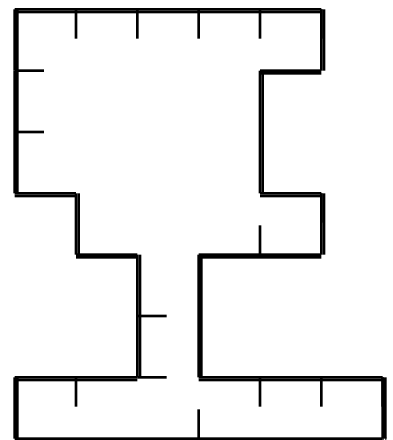
Perimeter =

**28**

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Perimeter =

Name \_\_\_\_\_

## Give the Earth a Hand!

Answer the following questions **BEFORE** you read this book.  
Write what you know. If you want to guess, you can. You will **NOT**  
be marked wrong!

**1. Who should take care of our planet?  
Why?**

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**2. Can kids help the Earth? If so, how?**

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**3. How does recycling help the planet?  
Explain your answer.**

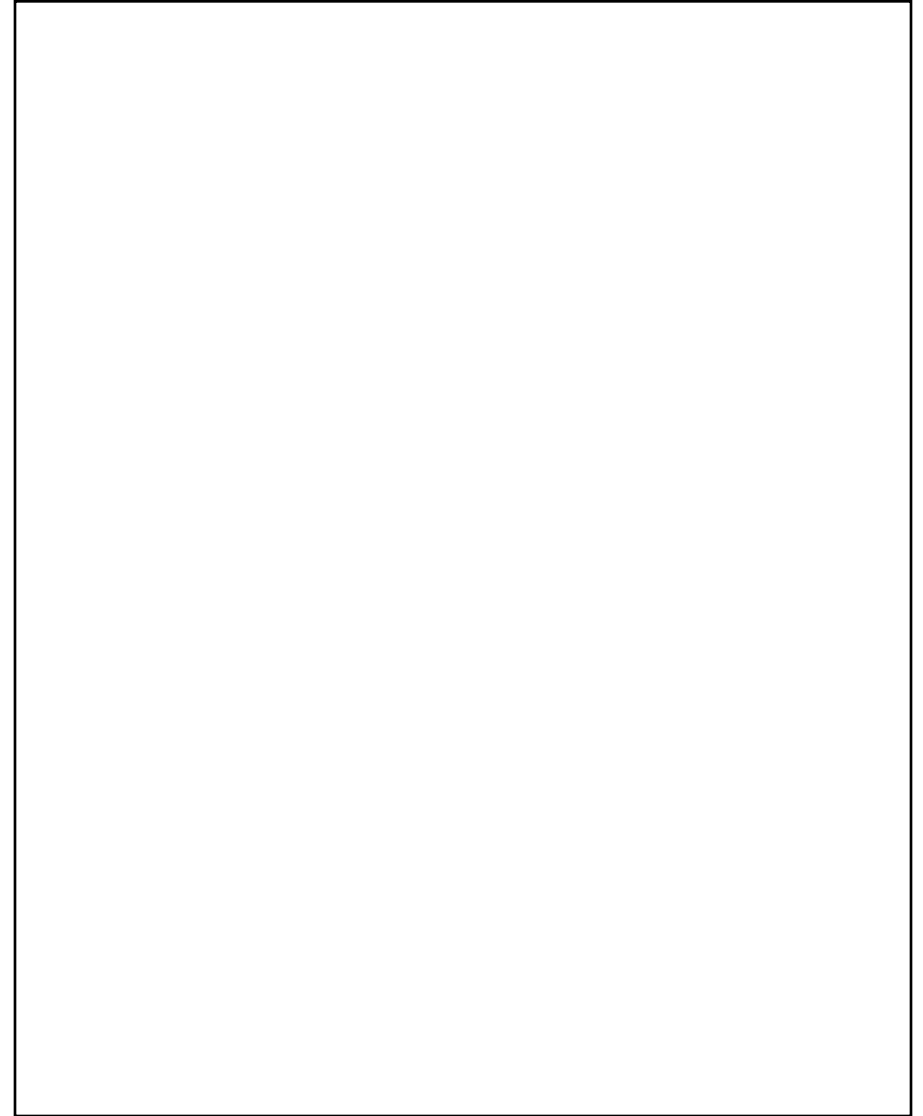
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Look at one of your hands. Do you see a sign that says, "Help the Earth"? Probably not! But your five fingers can remind you of five ways that you can help our planet. Let's work together and give the Earth a hand.

Draw a picture of your hand.



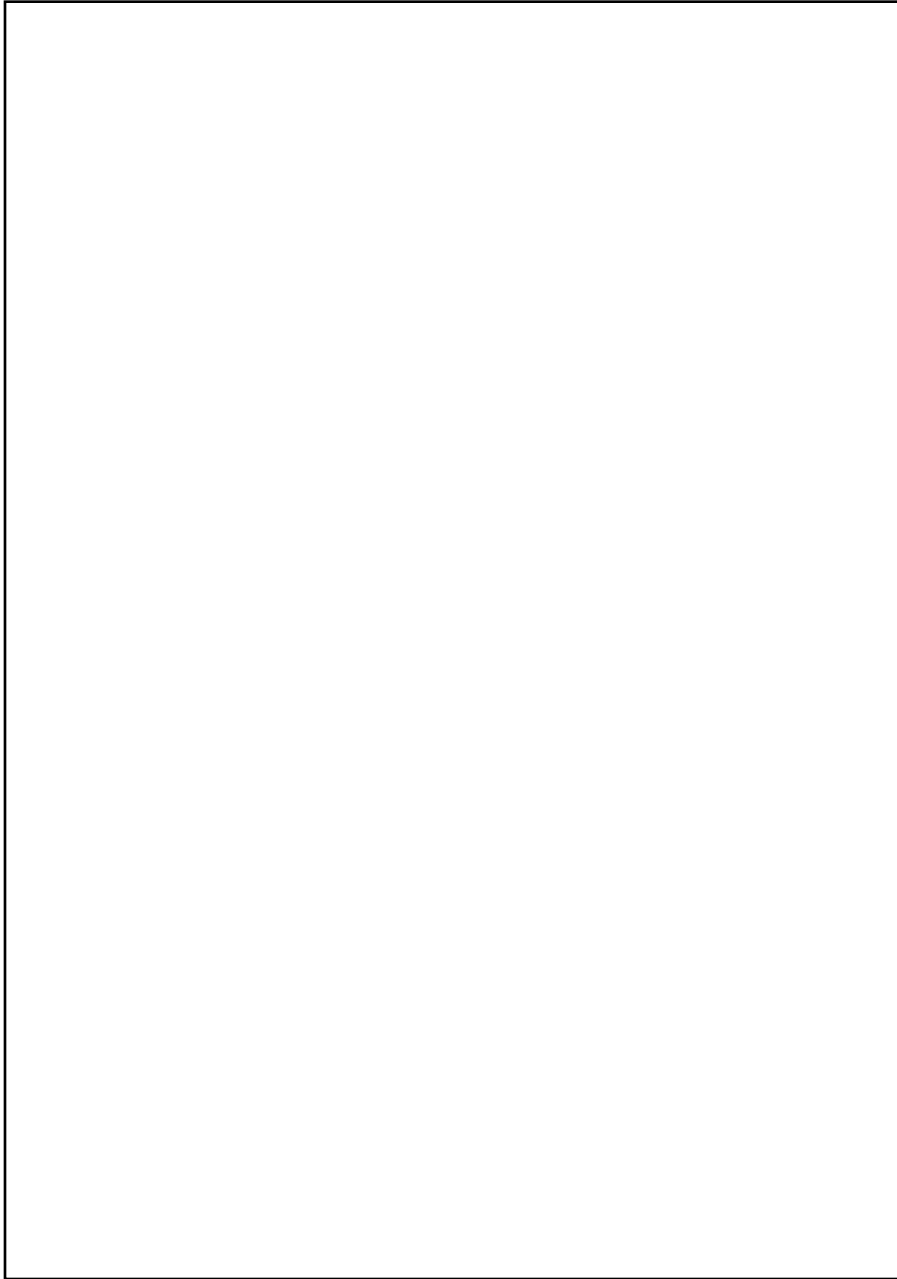


Peek at your pointer finger. Let it remind you to **reduce**. Start using only what you need. If you are working on a project and need one piece of paper, don't take five. This helps to save resources. If you are washing dishes after dinner, turn off the faucet while you scrub the plates. This will help to save water.

Your next finger can remind you to **reuse**. Choose items that you can use over and over again. When you pack your lunch, don't use plastic sandwich bags that will be thrown away. Instead, use plastic containers that can be washed and used more than once. You can reuse other items too. Save gift bags and use them to wrap new presents. Turn lunch meat containers into crayon tubs. There are many things you can reuse.



Think of the items in your home. What can you reuse? Draw a picture of it.



Your ring finger can remind you to **recycle**. If you can't reuse it, take it to a plant so that someone else can! Recycling items like glass, paper, and plastic keeps trash out of our landfills. It also saves resources because new products can be made from old materials.



Let your pinkie finger remind you to **recharge**. When the batteries in your favorite toy die, what do you do? Many people throw them away. Then they put new batteries into the toy. Did you know that you can buy rechargeable batteries? These can be used over and over again. That's a pinkie promise!



Finally, your thumb can remind you to **remind others** that it is important to take care of our planet. There are many ways that your friends, family, and classmates can care for the Earth. As you teach others to care for our world, imagine the planet giving you big thumbs up! She'll be thankful that you gave her a hand...and used your fingers to remind yourself (and others!) of some of the many ways you can help our beautiful world.

Name \_\_\_\_\_

## Give the Earth a Hand!

Answer the following questions **AFTER** you have completed this book.

**1. In this book the author suggests five ways that we can help the planet. What are they?**

1. \_\_\_\_\_
2. \_\_\_\_\_
3. \_\_\_\_\_
4. \_\_\_\_\_
5. \_\_\_\_\_

**2. Which of the following are true about recycling?**

It keeps excess trash out of our landfills.

Only glass can be recycled.

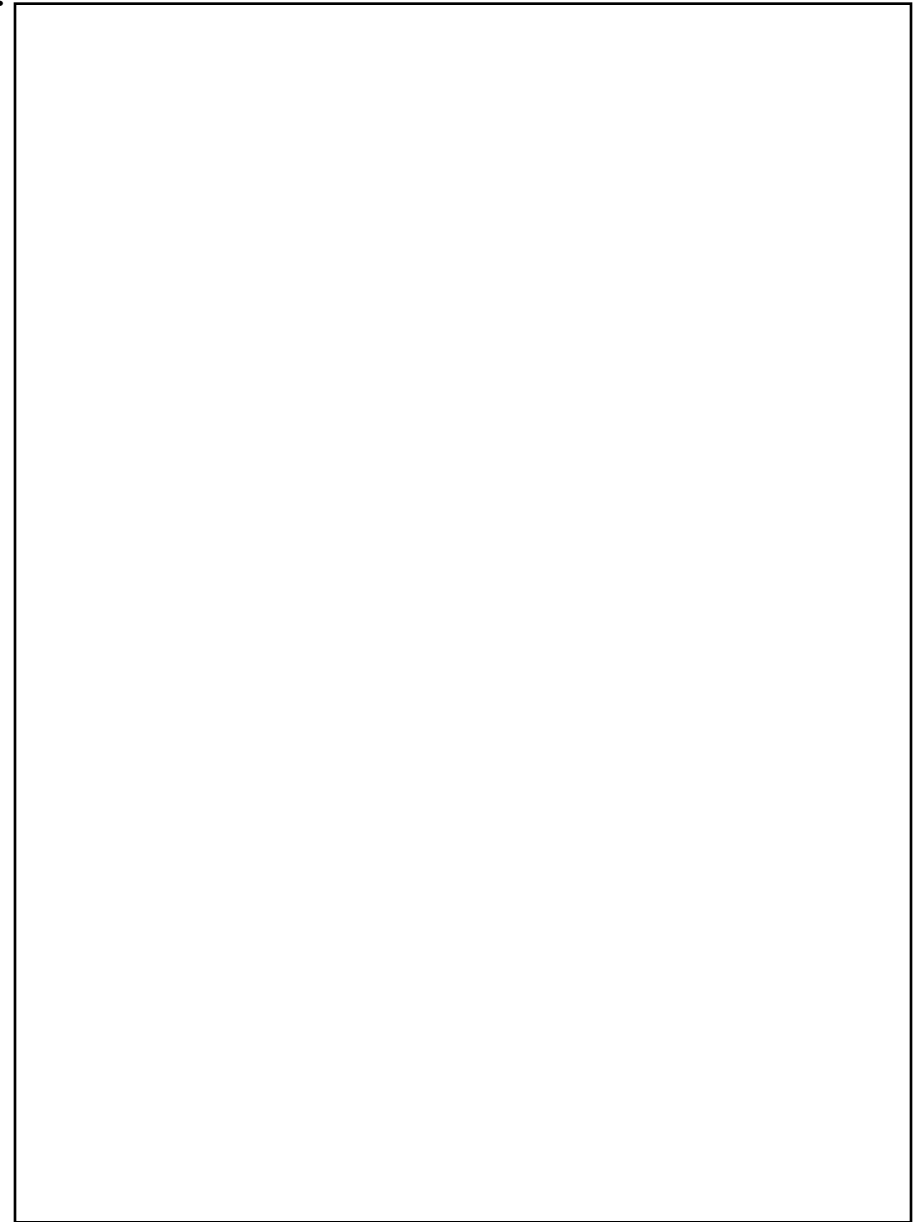
It saves resources.

Recycled items can be turned into new products.

Paper cannot be recycled.

Many items can be recycled.

**3.**



**Turn your trash into treasure. Think about the items you have at home. What kind of creation could you make using only recycled objects? Draw a picture of your project.**

\_\_\_\_\_ when I  
\_\_\_\_\_ This will help the  
Earth.

when I

This will help the

# Earth.

5. How can your family help the Earth? Think of at least five ways that you can reduce, reuse, recycle, or recharge at home. How can you remind others to do the same?

6. The planet needs our help. Your school can help. Right now cans, paper, and plastic are thrown away every day. You want to set up recycling bins around campus. You will need money for the bins. You will also need time to tell the student body about the new project. Persuade your teacher and principal to support this new project. Why is it a good idea? Why should they let you do this?

[illegible]

Name: \_\_\_\_\_

# "Bin" Composting?

By Beth A. Beutler

Grandma Susie has a compost bin. She throws all sorts of scraps in it. The chickens think it is for them. They like to peck at it!

I asked Grandma what a compost bin is. She said it makes soil to help her plants and garden grow. At first, I did not understand.

Grandma Susie explained. "Over time, my leftover vegetables, pieces of plants, grass clippings, and egg shells break down into something called humus. Humus contains nutrients that plants need to help them grow. I mix the finished humus into my plants and garden. It's a way to recycle my food scraps and garden wastes."



Grandma told me that plant pieces, dying flowers, and leaves are good things for a compost bin. She does not put meat in it. That can attract animals. Some people have fancy bins that look like a series of two or three boxes. When the scraps begin to break down, they use a shovel to turn and mix them between the bins. This can speed up the process.

When my mom saw how compost helped Grandma Susie's flowers, she decided to get a compost bin of her own. It is basically a big plastic box with a few air holes and slots. It has a sliding door on the bottom. Mom will put her waste items in the top. The slots will let in just enough rain. (You have to keep a compost pile moist.) Then, a few months later, the new soil can be taken out of the bottom. She said you could put worms or special powder in the bin. Those help the grass clippings and other wastes break down more quickly.

Now my mom's garden looks as good as Grandma Susie's. I guess they are onto something here! It's nice to know our food and yard wastes can be reused to grow new things.

"Bin" Composting?

## Questions

- \_\_\_\_\_ 1. The word "nutrients" most likely means:
  - A. vitamins
  - B. something that plants and other living things need to live and grow
  - C. sugar-free
  - D. something added to soil
- \_\_\_\_\_ 2. What types of items are NOT placed in a compost bin?
  - A. leaves
  - B. steak bones
  - C. egg shells
  - D. parts of plants
3. Some people use a \_\_\_\_\_ to turn the compost.

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Name: \_\_\_\_\_

4. Why did the writer's mother buy a compost bin?

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5. What is something you can add to compost to make it break down faster?

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6. A compost bin needs to be kept moist.

- A. false
- B. true

7. In the compost bin owned by the writer's mother, where does the dirt come out?

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8. Which animals thought Grandma Susie's compost bin was for them?

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Write this number:  
8 thousands, 4 hundreds, 2  
tens

6 less than 456

3 less than 763

$8 - 1 + 2 - 2 - 4$

	3	8
+		5
<hr/>		

	2	3	8
+		2	6
<hr/>			

Name: \_\_\_\_\_

$\frac{1}{2}$						$\frac{1}{2}$					
$\frac{1}{3}$				$\frac{1}{3}$				$\frac{1}{3}$			
$\frac{1}{4}$			$\frac{1}{4}$			$\frac{1}{4}$			$\frac{1}{4}$		
$\frac{1}{7}$	$\frac{1}{7}$	$\frac{1}{7}$	$\frac{1}{7}$	$\frac{1}{7}$	$\frac{1}{7}$	$\frac{1}{7}$	$\frac{1}{7}$	$\frac{1}{7}$	$\frac{1}{7}$	$\frac{1}{7}$	$\frac{1}{7}$
$\frac{1}{8}$	$\frac{1}{8}$	$\frac{1}{8}$	$\frac{1}{8}$	$\frac{1}{8}$	$\frac{1}{8}$	$\frac{1}{8}$	$\frac{1}{8}$	$\frac{1}{8}$	$\frac{1}{8}$	$\frac{1}{8}$	$\frac{1}{8}$
$\frac{1}{9}$	$\frac{1}{9}$	$\frac{1}{9}$	$\frac{1}{9}$	$\frac{1}{9}$	$\frac{1}{9}$	$\frac{1}{9}$	$\frac{1}{9}$	$\frac{1}{9}$	$\frac{1}{9}$	$\frac{1}{9}$	$\frac{1}{9}$
$\frac{1}{12}$	$\frac{1}{12}$	$\frac{1}{12}$	$\frac{1}{12}$	$\frac{1}{12}$	$\frac{1}{12}$	$\frac{1}{12}$	$\frac{1}{12}$	$\frac{1}{12}$	$\frac{1}{12}$	$\frac{1}{12}$	$\frac{1}{12}$

Compare.

$\frac{3}{12}$ $<$ $\frac{3}{7}$	$\frac{6}{9}$ $=$ $\frac{8}{12}$	$\frac{1}{3}$ $\bigcirc$ $\frac{3}{7}$	$\frac{3}{8}$ $\bigcirc$ $\frac{2}{4}$
$\frac{4}{12}$ $\bigcirc$ $\frac{1}{3}$	$\frac{1}{2}$ $>$ $\frac{1}{9}$	$\frac{3}{4}$ $\bigcirc$ $\frac{1}{2}$	$\frac{1}{3}$ $\bigcirc$ $\frac{5}{8}$
$\frac{11}{12}$ $\bigcirc$ $\frac{1}{9}$	$\frac{7}{12}$ $\bigcirc$ $\frac{5}{7}$	$\frac{3}{4}$ $\bigcirc$ $\frac{5}{9}$	$\frac{4}{12}$ $\bigcirc$ $\frac{3}{9}$
$\frac{2}{3}$ $\bigcirc$ $\frac{3}{9}$	$\frac{6}{12}$ $\bigcirc$ $\frac{1}{2}$	$\frac{3}{4}$ $\bigcirc$ $\frac{1}{7}$	$\frac{1}{8}$ $\bigcirc$ $\frac{1}{2}$
$\frac{1}{12}$ $\bigcirc$ $\frac{1}{3}$	$\frac{4}{8}$ $\bigcirc$ $\frac{1}{2}$	$\frac{1}{2}$ $\bigcirc$ $\frac{1}{4}$	$\frac{1}{4}$ $\bigcirc$ $\frac{3}{12}$
$\frac{7}{9}$ $\bigcirc$ $\frac{1}{2}$	$\frac{2}{8}$ $\bigcirc$ $\frac{1}{4}$	$\frac{2}{3}$ $\bigcirc$ $\frac{6}{7}$	$\frac{2}{3}$ $\bigcirc$ $\frac{8}{12}$



Name: \_\_\_\_\_

# An Earth Day Song

By Cindy Grigg

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*Sing to "He's Got the Whole World in His Hands"*  
*(Teachers, for little ones, you might just repeat the first line throughout each verse.)*

We've got the whole world in our hands,  
We've got the whole, wide world in our hands,  
We've got the whole world in our hands,  
We've got the whole world in our hands.

We've got clean water for drinking in our hands,  
We've got the rivers and the oceans in our hands,  
We've got the whales and the fishes in our hands,  
We've got the whole world in our hands.

We've got clean air for breathing in our hands,  
We've got the forests and the farmlands in our hands,  
We've got the elephants and the earthworms in our hands,  
We've got the whole world in our hands.

Let's recycle our newspapers and our cans.  
Let's recycle glass and plastic, everything that we can.  
Let's clean up the Earth; it's in our hands.  
We've got the whole world in our hands.

Reduce, reuse, recycle; that's the best plan.  
Reduce, reuse, recycle, everything that we can.  
Reduce, reuse, recycle; don't throw it in the trashcan.  
We've got the whole world in our hands.

We've got the whole world in our hands,  
We've got the whole, wide world in our hands,  
We've got the whole world in our hands,  
We've got the whole world in our hands.



Name: \_\_\_\_\_

An Earth Day Song

## Questions

- \_\_\_\_\_ 1. Why do you think the author said "we've got the whole world in our hands"?
- A. We can hold the world like a ball.
  - B. The world is getting smaller.
  - C. It's up to each of us to take care of the world.
- \_\_\_\_\_ 2. Why did the author name whales and fishes?
- A. They both live in water.
  - B. They are the largest and smallest animals in water.
  - C. The author meant that all animals, from the largest to the smallest ones, depend on us to keep their water clean.
- \_\_\_\_\_ 3. Why did the author name elephants and earthworms?
- A. The author just named any animals.
  - B. The author meant that all animals, from the largest to the smallest ones, depend on us to take care of the land.
- \_\_\_\_\_ 4. Why do we need to recycle newspapers?
- A. It saves more trees from being cut to make paper.
  - B. It keeps old newspapers from going into the trash.
  - C. both a and b
- \_\_\_\_\_ 5. What does it mean to "reduce"?
- A. We should all try to throw away less trash.
  - B. We should all stay small.
  - C. We should all go on a diet.

double 60

$$9 - 6 + 1$$

Write this number:  
3 thousands, 2 ones

B, F, \_\_\_\_\_, N, R, V, Z

	3	3	6
-	7	9	
<hr/>			

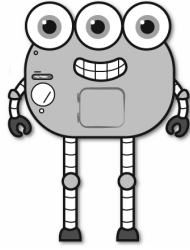
$$8 - 5 - 1 + 1$$

Circle the abstract noun.  
closet liberty flag team

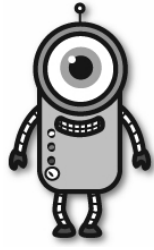
$$6 + \boxed{\phantom{00}} = 19$$

$$4 + \boxed{\phantom{00}} = 7$$

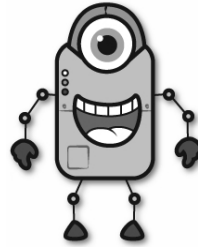
Name: \_\_\_\_\_



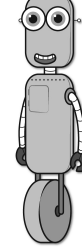
Gavin



Amanda



Anne



Jacob

64	•	45	•	65	•	6
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**Facts**

Gavin is six years old.

Amanda is fifty-eight years older than Gavin.

Anne is fifty-nine years older than Gavin.

Jacob is thirty-nine years older than Gavin.

How old is Gavin? \_\_\_\_\_

How old is Amanda? \_\_\_\_\_

How old is Anne? \_\_\_\_\_

How old is Jacob? \_\_\_\_\_

Write this number:  
7 tens, 9 hundreds, 4 onesJ, E, I, D, H, \_\_\_\_\_,  
G, B, F, AHow many hours are there  
from 6 a.m. to 9 p.m.?

	7	6
-		7
<hr/>		

$$5 - 4 + 6 - 6 + 3$$

120, 132, 144, 156,  
\_\_\_\_\_, 180, 192, 204

Name \_\_\_\_\_

# The History of Earth Day

Answer the following questions **BEFORE** you read this book.  
Write what you know. If you want to guess, you can. You will **NOT**  
be marked wrong!

1. Does your family recycle? Why or why not?

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2. Why do we need trees?

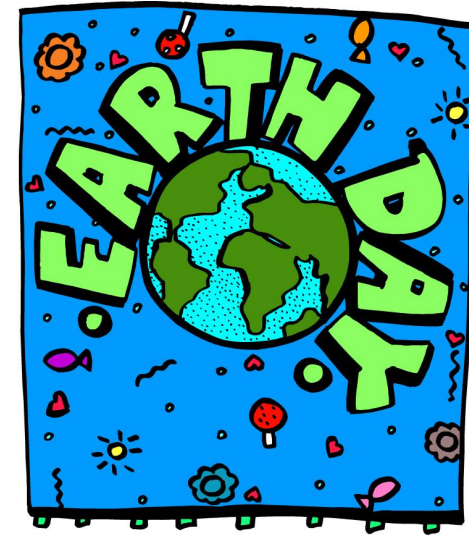
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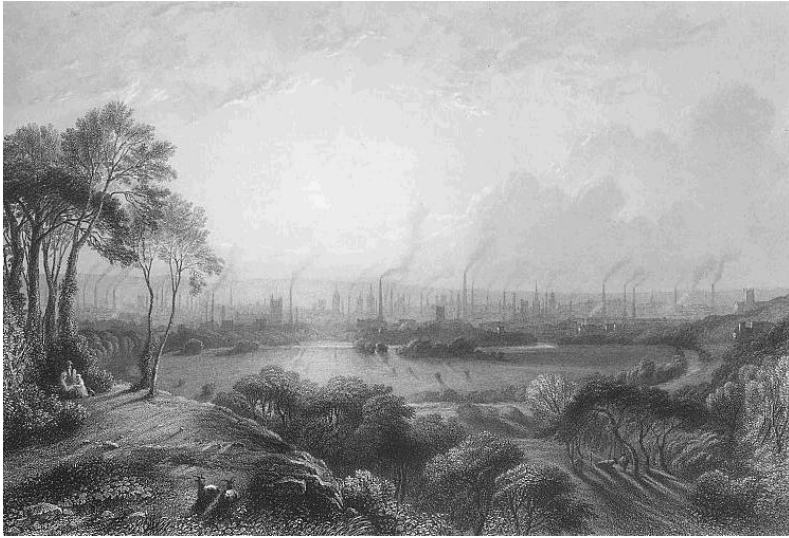
3. What happens to garbage?

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Have you ever wondered why we celebrate Earth Day? It's a little like a birthday party for the Earth. But why do people want to pick up trash, plant trees, and recycle on that day? When and why did Earth Day start?



In the late 1700s, great changes took place in the world. New machines were invented to make products. Factories were built. Industries were established. This time came to be called the Industrial Revolution. Factories used coal and oil for fuel. These natural resources take millions of years to form. They are called fossil fuels. More and more factories were built. More and more fossil fuels were burned. All of these factories and industries created a lot of pollution. Factory smoke stacks sent black clouds of smoke up into the air.



Dirty water filled with harmful chemicals came from factories. It ran off, or was drained directly from the factories, into rivers and streams. The polluted water wound up in the oceans.



In the 1900s, cars were built. Because the factories could make cars so cheaply, more and more Americans bought cars. Gasoline is needed for car engines to run. Gasoline is another fossil fuel. Car engines send out smoke that pollutes the air, too.



At the same time, the population of the Earth was growing faster than ever before. More and more people were living in the same amount of space. More and more factories were being built to provide for more people.

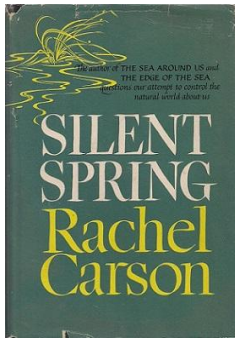




By the middle 1900s, it became obvious that pollution was hurting the Earth. The water in some rivers and lakes became so polluted that fish died. People couldn't swim in some lakes and rivers anymore.



Smog, a mix of smoke and fog, filled the sky in some cities.



Rachel Carson wrote a book called *Silent Spring*. Rachel's book told that the pesticide DDT was being widely sprayed by the government. She pointed out how all living things are connected. She explained how poisons like DDT built up in plants and animals. Rain washes the chemicals into rivers and lakes. Fish become sick. Then birds eat the fish and get sick, too. She said that these chemicals were threatening the balance of nature and all life. When Rachel's book came out in 1962, people were shocked. Many Americans became worried about the Earth.



One of these people was John McConnell. McConnell had been concerned about Earth since the late 1950s. He first suggested a global holiday called Earth Day at a United Nations Conference on the Environment in 1969. His idea was for the whole world to celebrate the Earth on the first day of spring. His idea got strong support. The city of San Francisco hosted the very first Earth Day celebration March 21, 1970. McConnell designed an Earth Day flag, using a picture of the Earth taken by a NASA astronaut from space.





Another concerned citizen was a senator from Wisconsin named Gaylord Nelson. At that time, there were few laws protecting the environment. Senator Nelson gave speeches about taking better care of the Earth. He had spoken to President John Kennedy about his concerns. Senator Nelson proposed another Earth Day in April 1970.



Senator Nelson asked people across America to join together to help the Earth. He wanted people to gather and march for the good of the planet the same way that college students had marched to protest the war in Vietnam. Schools, towns, and cities planned special activities. As many as 20 million people took part in Earth Day events on April 22, 1970. Nelson's first Earth Day was a great success. People marched in parades. Neighbors got together to clean up their communities. This day started a grassroots campaign to help the environment.



More and more people became environmentalists. They wanted to protect the air and water and take care of Earth's natural resources. Voters began urging the government to take action. Congress passed laws to protect our air and water. Two of them were the Clean Air Act and the Safe Drinking Water Act. A new government agency called the Environmental Protection Agency (EPA) was set up. The job of the EPA is to make sure that people and businesses obey laws that have been passed to keep the Earth clean.



A second Earth Day event was planned in 1990. It was the 20th anniversary of Nelson's Earth Day. People all over the world were invited to take part. And they did! On April 22, 1990, more than 200 million people in more than 140 countries took part in Earth Day.



Now people celebrate Earth Day every April. In many places, people even do more. They celebrate Earth Week with a variety of activities spread out over seven days. They celebrate Earth Week!



More than a billion people around the world took part in Earth Day activities last year. They planted trees. They cleaned up rivers and beaches. They helped recycle tons of materials. They taught others how they could help the planet.

Did you know that Americans throw away five to seven pounds of garbage every day? Much of that could be recycled - but it isn't. Only about one-quarter of it does get recycled.



March 20, 2015, marked the 45th annual ringing of the Peace Bell at the United Nations on Earth Day. This tradition began on March 21, 1971. This Earth Day is held on the first day of spring (the equinox). That celebration is sometimes called the equinox Earth Day. Other people call it the true Earth Day because it was the first, started by John McConnell in March 1970. Just think of everything the Earth provides for us! Why not make every day Earth Day? After all, the Earth is in our hands. If we don't take care of it, who will?

Name \_\_\_\_\_

## The History of Earth Day

Answer the following questions **AFTER** you have completed this book.

**1. Rachel Carson wrote a book called**

\_\_\_\_\_

**about the pesticide**

\_\_\_\_\_

**2. John McConnell's Earth Day in March**  
**takes place on** \_\_\_\_\_

\_\_\_\_\_

**3.** \_\_\_\_\_

\_\_\_\_\_

**was a senator who started the Earth**  
**Day in April.**

#### 4. Americans throw away about

\_\_\_\_\_ pounds of trash  
every day.

**5. Write a letter to the editor of your local newspaper. In your letter, give reasons why people should celebrate Earth Day in your town.**

6. Write a plan for Earth Day activities that you and your friends and classmates could take part in on the next Earth Day. Set goals you'd like to accomplish and make a plan to help you achieve your goals.

[illegible]