



B






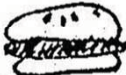

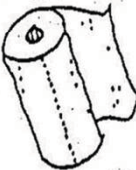











I

N

G

O










<p>B</p>	<p>I</p>	<p>N</p>	<p>G</p>	<p>O</p>
 <p>COAL</p>	<p>leather baseball</p> 	 <p>COTTON</p>	 <p>BRICKS</p>	<p>concrete</p> 
	 <p>HAMBURGER</p>	<p>wool sweater</p> 	<p>glass window</p> 	<p>leather shoe</p> 
	<p>paper towels</p> 	 <p>SODA</p>		 <p>GAS \$</p>
 <p>SOUP</p>	 <p>MILK JUG</p>	 <p>PLASTIC BAG</p>	 <p>BEESWAX CANDLES</p>	<p>BOOK</p> 
	<p>FEATHER</p>  <p>PILLOW</p>	 <p>ICE CREAM</p>	 <p>ENVELOPE</p>	<p>newspaper</p> 




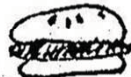













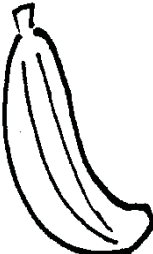


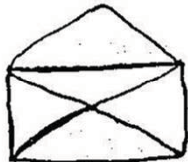






B	I	N	G	O
leather baseball 	 COTTON	 BRICKS	concrete 	
 HAMBURGER	wool sweater 	glass window 	leather shoe 	
paper towels 	 SODA		 GAS \$	 SOUP
 MILK JUG	 Plastic BAG	 BEESWAX CANDLES	BOOK 	
FEATHER  PILLOW	 ICE CREAM	 ENVELOPE	newspaper 	 GLASS


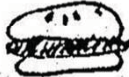




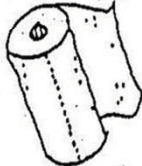











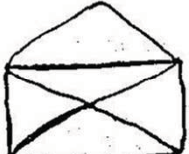






B	I	N	G	O
 COTTON	 BRICKS	concrete 	 7UP	 HAMBURGER
wool sweater 	glass window 	leather shoe 		paper towels 
 SODA		GAS \$ 	 SOUP	 MILK JUG
 Plastic BAG	 BEESWAX CANDLES	BOOK 		FEATHER  PILLOW
 ICE CREAM	 ENVELOPE	newspaper 	 GLASS	 STRAW







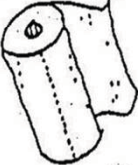








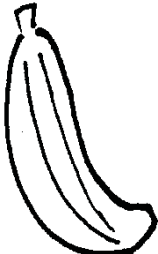


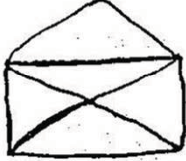








B	I	N	G	O
 BRICKS	concrete 		 HAMBURGER	wool sweater 
glass window 	leather shoe 		paper towels 	 SODA
	 GAS \$	 SOUP	 MILK JUG	 Plastic BAG
 BEESWAX Candles	BOOK 		FEATHER  PILLOW	 ICE CREAM
 ENVELOPE	newspaper 	 GLASS	 STRAW	 NUTS AND BOLTS


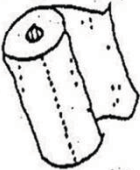







<p>B</p>	<p>I</p>	<p>N</p>	<p>G</p>	<p>O</p>
<p>concrete</p> 		<p>HAMBURGER</p> 	<p>wool sweater</p> 	<p>glass window</p> 
<p>leather shoe</p> 		<p>paper towels</p> 		
		 <p>MILK JUG</p>	 <p>Plastic BAG</p>	 <p>BEESWAX CANDLES</p>
<p>BOOK</p> 		<p>FEATHER</p>  <p>PILLOW</p>	 <p>ICE CREAM</p>	 <p>ENVELOPE</p>
<p>newspaper</p> 	 <p>GLASS</p>	 <p>STRAW</p>	<p>NUTS AND BOLTS</p> 	 <p>COAL</p>


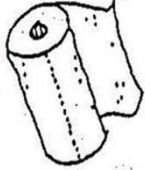

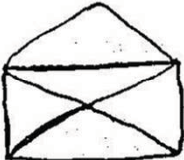



B	I	N	G	O
	 HAMBURGER	wool sweater 	glass window 	leather shoe 
	paper towels 	 SODA		 GAS
 SOUP	 MILK JUG	 Plastic BAG	 BEESWAX CANDLES	BOOK 
	FEATHER  PILLOW	 ICE CREAM	 ENVELOPE	newspaper 
 GLASS	 STRAW	 NUTS AND BOLTS	 COAL	leather baseball 


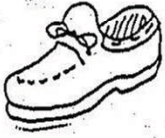

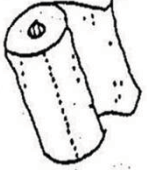











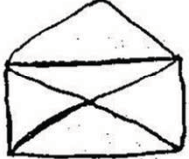


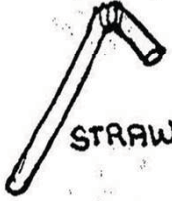








B	I	N	G	O
 HAMBURGER	wool sweater 	glass window 	leather shoe 	
paper towels 				
	Plastic BAG 		BOOK 	
FEATHER 			newspaper 	
	NUTS 		leather baseball 	












<p>B</p>	<p>I</p>	<p>N</p>	<p>G</p>	<p>O</p>
<p>wool sweater</p> 	<p>glass window</p> 	<p>leather shoe</p> 		<p>paper towels</p> 
				 <p>MILK JUG</p>
 <p>PLASTIC BAG</p>	 <p>BEESWAX CANDLES</p>	<p>BOOK</p> 		<p>FEATHER</p>  <p>PILLOW</p>
 <p>ICE CREAM</p>	 <p>ENVELOPE</p>	<p>newspaper</p> 	 <p>GLASS</p>	 <p>STRAW</p>
 <p>NUTS AND BOLTS</p>	 <p>COAL</p>	<p>leather baseball</p> 	 <p>COTTON</p>	 <p>BRICKS</p>



<p>B</p>	<p>I</p>	<p>N</p>	<p>G</p>	<p>O</p>
<p>glass window</p> 	<p>leather shoe</p> 		<p>paper towels</p> 	
			 <p>MILK JUG</p>	 <p>PLASTIC BAG</p>
 <p>BEESWAX CANDLES</p>	<p>BOOK</p> 		<p>FEATHER</p>  <p>PILLOW</p>	 <p>ICE CREAM</p>
 <p>ENVELOPE</p>	<p>newspaper</p> 	 <p>GLASS</p>	 <p>STRAW</p>	 <p>NUTS AND BOLTS</p>
 <p>COAL</p>	<p>leather baseball</p> 	 <p>COTTON</p>	 <p>BRICKS</p>	<p>concrete</p> 







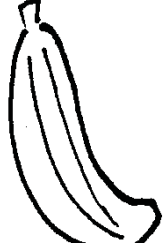













<h1>B</h1>	<h1>I</h1>	<h1>N</h1>	<h1>G</h1>	<h1>O</h1>
<p>leather shoe</p> 		<p>paper towels</p> 		
		 <p>MILK JUG</p>	 <p>Plastic BAG</p>	 <p>BEESWAX CANDLES</p>
<p>BOOK</p> 		<p>FEATHER</p>  <p>PILLOW</p>	 <p>ICE CREAM</p>	 <p>ENVELOPE</p>
<p>newspaper</p> 	 <p>GLASS</p>	 <p>STRAW</p>	 <p>NUTS AND BOLTS</p>	 <p>COAL</p>
<p>leather baseball</p> 	 <p>COTTON</p>	 <p>BRICKS</p>	<p>concrete</p> 	




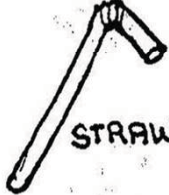
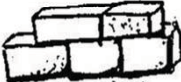


B	I	N	G	O
	paper towels 			
	MILK JUG 	Plastic BAG 	BEESWAX CANDLES 	BOOK 
	FEATHER PILLOW 	ICE CREAM 	ENVELOPE 	newspaper 
GLASS 	STRAW 	NUTS AND BOLTS 	COAL 	leather baseball 
COTTON 	BRICKS 	concrete 		HAMBURGER 



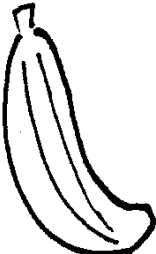

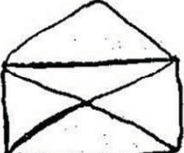

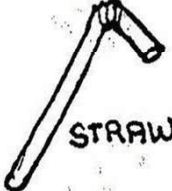
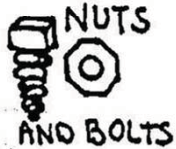
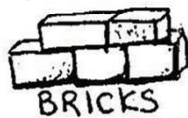







<p>B</p>	<p>I</p>	<p>N</p>	<p>G</p>	<p>O</p>
<p>paper towels</p> 				
 <p>MILK JUG</p>	 <p>Plastic BAG</p>	 <p>BEESWAX CANDLES</p>	 <p>BOOK</p>	
<p>FEATHER</p>  <p>PILLOW</p>	 <p>ICE CREAM</p>	 <p>ENVELOPE</p>	<p>newspaper</p> 	 <p>GLASS</p>
 <p>STRAW</p>	 <p>NUTS AND BOLTS</p>	 <p>COAL</p>	<p>leather baseball</p> 	 <p>COTTON</p>
 <p>BRICKS</p>	<p>concrete</p> 		 <p>HAMBURGER</p>	<p>wool sweater</p> 




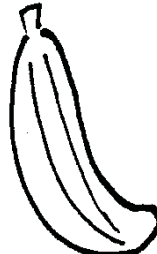


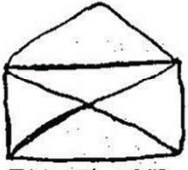
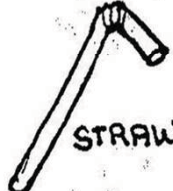
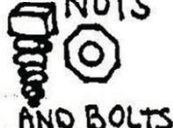






B	I	N	G	O
				 MILK JUG
 Plastic BAG	 BEESWAX CANDLES	 BOOK		 FEATHER PILLOW
 ICE CREAM	 ENVELOPE	 newspaper	 GLASS	 STRAW
 NUTS AND BOLTS	 COAL	 leather baseball	 COTTON	 BRICKS
 concrete		 HAMBURGER	 wool sweater	 glass window










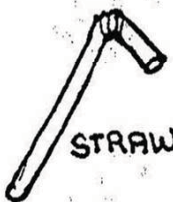
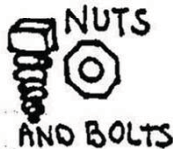








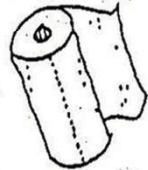


B	I	N	G	O
				
				
				
				
				



B	I	N	G	O
 GAS	 SOUP	 MILK JUG	 PLASTIC BAG	 BEESWAX CANDLES
 BOOK		 FEATHER PILLOW	 ICE CREAM	 ENVELOPE
 newspaper	 GLASS	 STRAW	 NUTS AND BOLTS	 COAL
 leather baseball	 COTTON	 BRICKS	 concrete	
 HAMBURGER	 wool sweater	 glass window	 leather shoe	







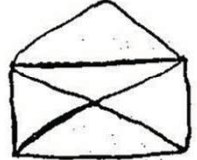


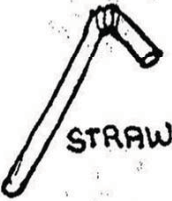







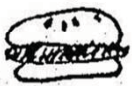




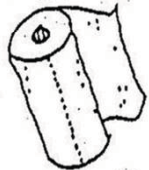




B	I	N	G	O
				
				
				
				
				



B	I	N	G	O
 MILK JUG	 PLASTIC BAG	 BEESWAX CANDLES	 BOOK	
 FEATHER  PILLOW	 ICE CREAM	 ENVELOPE	 newspaper	 GLASS
 STRAW	 NUTS AND BOLTS	 COAL	 leather baseball	 COTTON
 BRICKS	 concrete	 TOP	 HAMBURGER	 wool sweater
 glass window	 leather shoe		 paper towels	 SODA


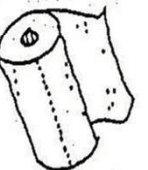



B	I	N	G	O
 <p>Plastic BAG</p>	 <p>BEESWAX CANDLES</p>	 <p>BOOK</p>		 <p>FEATHER PILLOW</p>
 <p>ICE CREAM</p>	 <p>ENVELOPE</p>	 <p>newspaper</p>	 <p>GLASS</p>	 <p>STRAW</p>
 <p>NUTS AND BOLTS</p>	 <p>COAL</p>	 <p>leather baseball</p>	 <p>COTTON</p>	 <p>BRICKS</p>
 <p>concrete</p>		 <p>HAMBURGER</p>	 <p>wool sweater</p>	 <p>glass window</p>
 <p>leather shoe</p>		 <p>paper towels</p>	 <p>SODA</p>	



B	I	N	G	O
 BEESWAX CANDLES	 BOOK	 BANANA	 FEATHER PILLOW	 ICE CREAM
 ENVELOPE	 newspaper	 GLASS	 STRAW	 NUTS AND BOLTS
 COAL	 leather baseball	 COTTON	 BRICKS	 concrete
 PLASTIC BOTTLE	 HAMBURGER	 wool sweater	 glass window	 leather shoe
 CARROT	 paper towels	 SODA	 BALLOON	 GAS \$



B	I	N	G	O
BOOK 		FEATHER PILLOW 	ICE CREAM 	ENVELOPE 
newspaper 	GLASS 	STRAW 	NUTS AND BOLTS 	COAL 
leather baseball 	COTTON 	BRICKS 	concrete 	
HAMBURGER 	wool sweater 	glass window 	leather shoe 	
paper towels 	SODA 		GAS \$ 	SOUP 




<p>B</p>	<p>I</p>	<p>N</p>	<p>G</p>	<p>O</p>
	<p>FEATHER PILLOW</p> 	 <p>ICE CREAM</p>	 <p>ENVELOPE</p>	<p>newspaper</p> 
 <p>GLASS</p>	 <p>STRAW</p>	<p>NUTS AND BOLTS</p> 	 <p>COAL</p>	<p>leather baseball</p> 
 <p>COTTON</p>	 <p>BRICKS</p>	<p>concrete</p> 		 <p>HAMBURGER</p>
<p>wool sweater</p> 	<p>glass window</p> 	<p>leather shoe</p> 		<p>paper towels</p> 
 <p>SODA</p>		 <p>GAS \$</p>	 <p>SOUP</p>	 <p>MILK JUG</p>

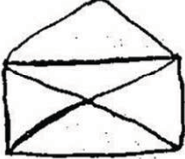




<p>B</p>	<p>I</p>	<p>N</p>	<p>G</p>	<p>O</p>
<p>FEATHER  PILLOW</p>	<p> ICE CREAM</p>	<p> ENVELOPE</p>	<p>newspaper </p>	<p> GLASS</p>
<p> STRAW</p>	<p>NUTS  AND BOLTS</p>	<p> COAL</p>	<p>leather baseball </p>	<p> COTTON</p>
<p> BRICKS</p>	<p>concrete </p>	<p> 7UP</p>	<p> HAMBURGER</p>	<p>wool sweater </p>
<p>glass window </p>	<p>leather shoe </p>	<p></p>	<p>paper towels </p>	<p> SODA</p>
<p></p>	<p> GAS \$</p>	<p> SOUP</p>	<p> MILK JUG</p>	<p> Plastic BAG</p>



B	I	N	G	O
 ICE CREAM	 ENVELOPE	newspaper 	 GLASS	 STRAW
NUTS  AND BOLTS	 COAL	leather baseball 	 COTTON	 BRICKS
concrete 		 HAMBURGER	wool sweater 	glass window 
leather shoe 		paper towels 	 SODA	
 GAS \$	 SOUP	 MILK JUG	 PLASTIC BAG	 BEESWAX CANDLES



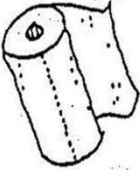



B	I	N	G	O
 ENVELOPE	newspaper 	 GLASS	 STRAW	 NUTS AND BOLTS
 COAL	leather baseball 	 COTTON	 BRICKS	concrete 
	 HAMBURGER	wool sweater 	glass window 	leather shoe 
	paper towels 	 SODA		 GAS \$
 SOUP	 MILK JUG	 Plastic BAG	 BEESWAX CANDLES	 BOOK

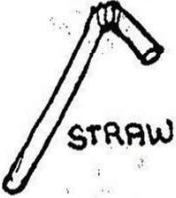














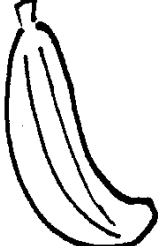



B	I	N	G	O
newspaper 	GLASS 	STRAW 	NUTS AND BOLTS 	COAL 
leather baseball 	COTTON 	BRICKS 	concrete 	
HAMBURGER 	wool sweater 	glass window 	leather shoe 	
paper towels 	 SODA		GAS \$ 	 SOUP
MILK JUG 	Plastic BAG 	BEESWAX CANDLES 	BOOK 	








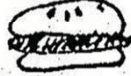




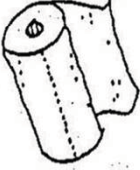








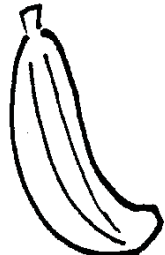


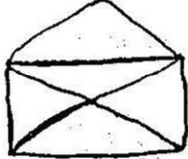


B	I	N	G	O
 GLASS	 STRAW	 NUTS AND BOLTS	 COAL	leather baseball 
 COTTON	 BRICKS	concrete 		 HAMBURGER
wool sweater 	glass window 	leather shoe 		paper towels 
 SODA		 GAS \$	 SOUP	 MILK JUG
 Plastic BAG	 BEESWAX CANDLES	 BOOK		FEATHER  PILLOW





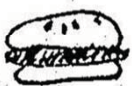





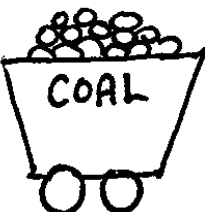



B	I	N	G	O
 STRAW	 NUTS AND BOLTS	 COAL	leather baseball 	 COTTON
 BRICKS	concrete 	 7UP	 HAMBURGER	wool sweater 
glass window 	leather shoe 		paper towels 	 SODA
	 GAS \$	 SOUP	 MILK JUG	 Plastic BAG
 BEESWAX CANDLES	 BOOK		FEATHER  PILLOW	 ICE CREAM

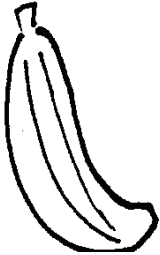







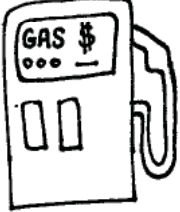





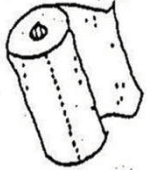


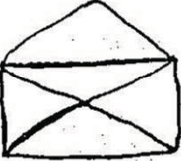




<p>B</p>	<p>I</p>	<p>N</p>	<p>G</p>	<p>O</p>
<p>NUTS AND BOLTS</p> 	<p>COAL</p> 	<p>leather baseball</p> 	<p>COTTON</p> 	<p>BRICKS</p> 
<p>concrete</p> 		<p>HAMBURGER</p> 	<p>wool sweater</p> 	<p>glass window</p> 
<p>leather shoe</p> 		<p>paper towels</p> 		
<p>GAS \$</p> 	<p>SOUP</p> 	<p>MILK JUG</p> 	<p>Plastic BAG</p> 	<p>BEESWAX CANDLES</p> 
<p>BOOK</p> 		<p>FEATHER PILLOW</p> 	<p>ICE CREAM</p> 	<p>ENVELOPE</p> 



<p>B</p>	<p>I</p>	<p>N</p>	<p>G</p>	<p>O</p>
<p>newspaper</p> 	<p>leather baseball</p> 		<p>leather shoe</p> 	
 <p>Plastic BAG</p>	<p>FEATHER</p>  <p>PILLOW</p>	 <p>GLASS</p>	 <p>COTTON</p>	 <p>HAMBURGER</p>
	 <p>GAS \$</p>	 <p>BEESWAX CANDLES</p>	 <p>ICE CREAM</p>	 <p>STRAW</p>
 <p>BRICKS</p>	<p>wool sweater</p> 	<p>paper towels</p> 	 <p>SOUP</p>	<p>BOOK</p> 
 <p>ENVELOPE</p>	<p>NUTS AND BOLTS</p> 	 <p>COAL</p>	<p>concrete</p> 	<p>glass window</p> 




B	I	N	G	O
	<p>newspaper</p> 	<p>leather baseball</p> 		<p>leather shoe</p> 
	 <p>Plastic BAG</p>	<p>FEATHER</p>  <p>PILLOW</p>	 <p>GLASS</p>	 <p>COTTON</p>
 <p>HAMBURGER</p>		 <p>GAS \$</p>	 <p>BEEWAX CANDLES</p>	 <p>ICE CREAM</p>
 <p>STRAW</p>	 <p>BRICKS</p>	<p>wool sweater</p> 	<p>paper towels</p> 	 <p>SOUP</p>
<p>BOOK</p> 	 <p>ENVELOPE</p>	<p>NUTS AND BOLTS</p> 	 <p>COAL</p>	<p>concrete</p> 



B	I	N	G	O
 MILK JUG		newspaper 	leather baseball 	
leather shoe 		 Plastic BAG	FEATHER  PILLOW	 GLASS
 COTTON	 HAMBURGER		 GAS \$	 BEESWAX Candles
 ICE CREAM	 STRAW	 BRICKS	wool sweater 	paper towels 
 SOUP	BOOK 	 ENVELOPE	NUTS AND BOLTS 	 COAL



B	I	N	G	O
 SODA	 MILK JUG		newspaper 	leather baseball 
 BOTTLE	leather shoe 		 Plastic BAG	FEATHER  PILLOW
 GLASS	 COTTON	 HAMBURGER		 GAS \$
 BEESWAX CANDLES	 ICE CREAM	 STRAW	 BRICKS	wool sweater 
paper towels 	 SOUP	BOOK 	 ENVELOPE	NUTS AND BOLTS 






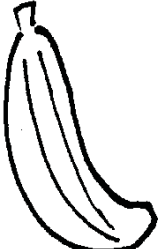














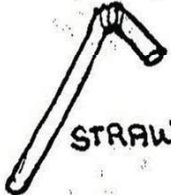


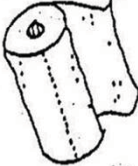



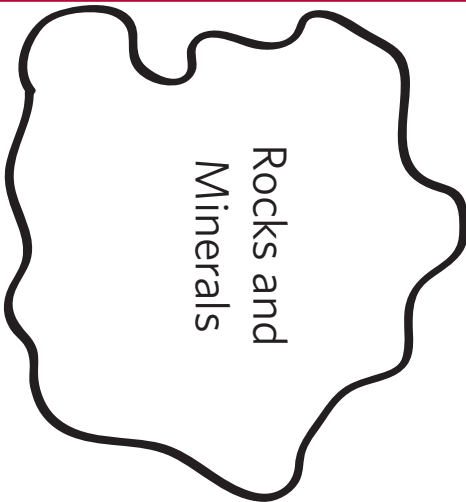
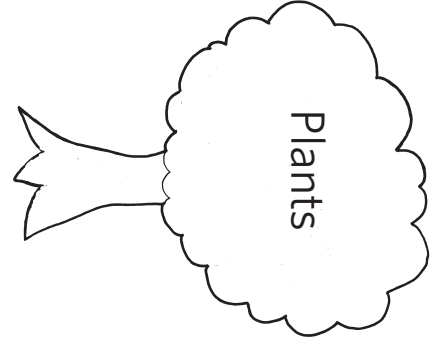
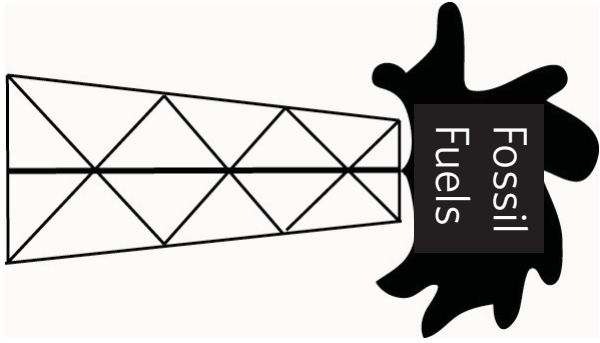
<p>B</p>	<p>I</p>	<p>N</p>	<p>G</p>	<p>O</p>
<p>glass window</p> 		 <p>MILK JUG</p>		<p>newspaper</p> 
<p>leather baseball</p> 		<p>leather shoe</p> 		 <p>Plastic BAG</p>
<p>FEATHER</p>  <p>PILLOW</p>	 <p>GLASS</p>	 <p>COTTON</p>	 <p>HAMBURGER</p>	
	 <p>BEESWAX CANDLES</p>	 <p>ICE CREAM</p>	 <p>STRAW</p>	 <p>BRICKS</p>
<p>wool sweater</p> 	<p>paper towels</p> 	 <p>SOUP</p>	<p>BOOK</p> 	 <p>ENVELOPE</p>



<p>B</p>	<p>I</p>	<p>N</p>	<p>G</p>	<p>O</p>
<p>concrete</p> 	<p>glass window</p> 		 <p>MILK JUG</p>	
<p>newspaper</p> 	<p>leather baseball</p> 		<p>leather shoe</p> 	
 <p>Plastic BAG</p>	<p>FEATHER</p>  <p>PILLOW</p>	 <p>GLASS</p>	 <p>COTTON</p>	 <p>HAMBURGER</p>
	 <p>GAS \$</p>	 <p>BEESWAX CANDLES</p>	 <p>ICE CREAM</p>	 <p>STRAW</p>
 <p>BRICKS</p>	<p>wool sweater</p> 	<p>paper towels</p> 	 <p>SOUP</p>	<p>BOOK</p> 



B	I	N	G	O
 <p>COAL</p>	<p>concrete</p> 	<p>glass window</p> 	 <p>SODA</p>	 <p>MILK JUG</p>
	<p>newspaper</p> 	<p>leather baseball</p> 	 <p>7UP</p>	<p>leather shoe</p> 
	 <p>Plastic BAG</p>	<p>FEATHER</p>  <p>PILLOW</p>	 <p>GLASS</p>	 <p>COTTON</p>
 <p>HAMBURGER</p>		 <p>GAS \$</p>	 <p>BEESWAX CANDLES</p>	 <p>ICE CREAM</p>
 <p>STRAW</p>	 <p>BRICKS</p>	<p>wool sweater</p> 	<p>paper towels</p> 	 <p>SOUP</p>



Natural Resources Bingo

GRADE LEVELS	2 nd -8 th , California Content Standards for 2 nd and 6 th
SUBJECTS	Earth Sciences, Life Sciences
DURATION	Preparation: 15 minutes Activity: 60 minutes
SETTING	Classroom

Objectives

In this lesson, students will:

1. learn that the earth is composed of several natural resources including plants, animals, rocks, and fossil fuels.
2. learn that materials important to humans are made of these natural resources.
3. categorize common things we throw in the trash according to the resource from which they are made.

Materials

Bingo cards (1 per student)
Natural Resources cards (1 set)
B, I, N, G, O cards (1 set)
two small boxes or envelopes to hold the cards
earth image
beans, magnets, or other items to mark bingo squares

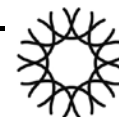
Vocabulary

- ❖ **sustainability:** the attempt to meet the needs of the present without compromising the ability of future generations to meet their needs as well
- ❖ **natural resources:** naturally occurring substances that are valuable to humans, including plants, animals, rocks, wind, sunlight, water and fossil fuels
- ❖ **fossil fuels:** hydrocarbon deposits, such as petroleum, coal, or natural gas, derived from the accumulated remains of ancient plants and animals and used as fuel. Carbon dioxide and other greenhouse gases generated by burning fossil fuels are one of the principal causes of global warming.

Teacher Background

Sustainability is the attempt to meet the needs of the present generation without compromising the ability of future generations to meet their needs as well. An important part of achieving sustainability is learning to use our natural resources conservatively and wisely.

Natural resources are naturally occurring substances that are valuable to humans. We use natural resources for everything from paper and buildings to food and water. Natural resources include both renewable and non-renewable substances. Renewable resources, such as trees and plants,



oxygen, water, and sunlight, can replenish themselves naturally. These renewable resources, if harvested at sustainable levels, are capable of being extracted from nature without depleting the resource over time. Non-renewable resources cannot be remade or regenerated fast enough to keep up with human demand. These include natural gas, coal, and oil - which are fossil fuels.

In order to live sustainably, we must first understand which kind of natural resources are used to make the things we use and consume everyday. In this activity students will learn what natural resources are and what types of everyday things are made from each of them.

Activity

Preparation

1. Print the following:
 - ❖ one copy of the earth image
 - ❖ one set of B, I, N, G, O cards
 - ❖ one set of Natural Resources cards
 - ❖ enough Bingo cards for each student in your class to have one
2. Color the earth image, cut it out, and paste it onto the front of a small box or envelope.
3. Cut out the Natural Resource cards and B,I,N,G and O cards
4. Put the four Natural Resource cards into the “Earth” box/envelope, and the five B, I, N, G, O cards into the second box or envelope.

Introduction

Explain to the students what natural resources are and that humans depend on them to make the things we need. Ask the students to list what the Earth’s natural resources are and list their responses on the board. You can bring in some examples (a potted plant, rocks, soil, a stuffed animal, molasses (to represent crude oil)) to help them come up with all of them. It may also be helpful to go outside to get more ideas. You should end up with a list that includes the following items: plants, animals, rocks and minerals, fossil fuels, water, and air. Make sure you take extra time in explaining what fossil fuels are. Explain that there is oil under the ground that we extract and use to make things like gasoline and plastic.

Now ask the students to list things that you throw into the trash (or recycling or compost bins) like used paper, aluminum cans, plastic bottles, and food scraps. After you’ve listed these items, ask the students to think about which natural resources were used to make these things. They should say trees for paper, rocks for aluminum and glass, fossil fuels for plastic, and animals and plants for food. For younger students, we suggest listing on the board all the specific objects that appear on the Bingo cards (see below). This way, students are fully prepared and the Natural Resources Bingo game can serve as a review for them. For older students, you may want to list more general categories only.



Plants	Animals	Rocks and Minerals	Fossil Fuels
Cotton t-shirt	Leather baseball	Bricks	Coal
Carrot	Hamburger	Concrete	7UP plastic bottle
Paper towels	Wool sweater	Glass window	Gasoline
Book	Leather shoe	Aluminum soda can	Plastic milk jug
Banana	Beeswax candles	Tin soup can	Plastic bag
Envelope	Feather pillow	Glass	Plastic straw
Newspaper	Ice cream	Metal nuts and bolts	
Latex balloon (rubber tree)			

Procedure

1. Divide students into groups of four to six. Although each student will have his/her own Bingo card, the students will be able to help each other and check each other's answers in groups.
2. Explain the rules of Bingo to the class.
3. Each student has a unique bingo card with pictures of everyday objects. Each of these things is made from a natural resource. These pictures are arranged in columns headed by a letter in the word "Bingo."
4. Explain that you (the teacher) will randomly pull a letter card and a Natural Resources card. For example: "B, Fossil Fuels," or "N, Plants," or "I, Animals." Make sure you write the combination that you call on the board, so you can double-check a winning card. Return the cards to their receptacles after you have finished calling it and writing it on the board.
5. Each student can cover or mark with a pen or pencil **one item** on their card that is made from that resource and is in the correct letter column. (Note that it is possible for a student to have two boxes that match the combination called. However, on any one turn, the student can only mark one item.)
6. Also, note that some of the objects are made of many natural resources. For example, paper is made from trees, but water and fossil fuels are also used in the paper-making process. For this game, we will focus on the primary natural resources used to make the object. For example, although the paper-making process involves other natural resources, paper is primarily made from plants.
7. Before drawing another combination of cards, tell students that they need to check the work of the other students in their group. They have the opportunity to challenge another student if they don't think they have made a correct choice. If there is a challenge, use this as an opportunity to discuss that object and the natural resources used to make it. Once all challenges have been discussed, continue with another card combination.

- Tell students that you will continue to draw cards and they will continue to play until someone gets five in a row and yells, “bingo!”
- When someone yells, “bingo,” check their card to make sure that they have identified the correct natural resource for each item used to make a bingo. If they have not, tell them which one(s) is incorrect and resume the game.

Wrap-Up

Lead a discussion with your students about waste. Prompt them to think about where their trash goes when it is thrown away, and how this affects the Earth. Ask the following questions for discussion:

- ❖ What are the natural resources that they throw in the trash the most?
- ❖ Which resources do they use the most?
- ❖ Why is it important to conserve natural resources? (*Because we need resources for food, transportation and everything else. If we use them up, we will not have the things we need, or the next generations will not have the things they need.*)
- ❖ What would happen to the earth if we used more resources than it could make? (*We would run out of the things we need to live.*)
- ❖ How can we conserve natural resources in our daily lives? (*Reducing, reusing, recycling, and composting.*)

References

Adapted from an activity by SCARE, School and Community Assistance for Recycling & Composting Education, Glen Ellyn, Illinois. <http://www.bookrescue.org/>

California Integrated Waste Management Board. (2007). *K-3 Module, Unit 1: Conserving Natural Resources*. Retrieved October 15, 2007 from <http://www.ciwmb.ca.gov/Schools/Curriculum/CTL/TOC.htm#K3Module>

Correlated California Content Standards

Grade Two

Earth Sciences

3e. Students know rock, water, plants, and soil provide many resources, including food, fuel, and building materials that humans use.

Grade Six

Life Sciences

6c. Students know the natural origin of the materials used to make common objects.



