# CONSERVATION

Claiborne County 4-H 5th Grade - November

## **OBJECTIVE:**

Students will learn that there are types of resources in the world: renewable and non-renewable.

Conservation means that must use resources wisely. It does not mean that we shouldn't use them at all.

Air, Soil, and Water are our most precious non-renewable resources. We cannot live without them.

# CONSERVATION

Today's lesson is about the conservation of our natural resources.

Who can tell me conservation means? -the careful preservation and protection of something-

Who can tell me what a resource is? -a new or reserve source of supply of something we use-



### CONSERVATION

The resources that we use to survive here on Earth can be divided into two broad categories.

The first is <u>Renewable Resources</u>, -renewable means that we can make or grow more of something when it is used up.

The second is Non-renewable Resources. non-renewable means that once this resource is used up, we cannot make any more of it. It is gone forever.





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- oil

- soil - air

- water

- metals

**Renewable Resources** 

- trees for building
- plants for food plants for clothing
- plants for fuel animals for food
- animals for clothing

animals for transport glass (made from sand)





Non -Renewable Resources

Introduce the terms conservation and resource. Go over the definitions and make it simple

Ask the class to try and name these two broad classes of resources. You will have to give big hints and then end up telling the first one (renewable). If you try, they may be able to name the second one (non-renewable). Illustrate these two kinds of resources with the two pictures.

When 'Renewable Resources' appears, ask the class to name some before advancing. Remind them that we can grow/make more renewable resources. Do the same thing for nonrenewable resources.



After the first line appears, ask the class what resources they

have used today. Now we start talking about conservation.

Ask the class to name the 3 R's, reduce, reuse, and recycle.

regular basis.

After these terms appear, ask the class to define them. Discuss which of these things the students (or you) do at home on a

#### CONSERVATION

Everyone can think of Recycle, but have you heard of the 3 R's ?

<u>Reduce</u>

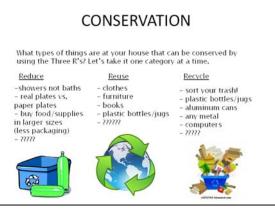
To buy things with less packaging or buy things in larger sized containers so that there is less waste to throw away.

<u>Reuse</u>

Things such as books, clothing, boxes, containers, etc. can be used for other purposes or given to someone else to use after we are through with them

<u>Recycle</u>

Items such as paper, plastic, steel, aluminum, cardboard, etc. can be broken down and made into new products.



After asking the class the initial question, let them name some more things that they do at home that are not on our list.

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Do you know the difference between these two symbols?



A product with this symbol is made of material that can be

recycled.



A product with this symbol is made from at least some material that has already been recycled. The symbol on the right means that product has been made with some recycled material. The symbol on the left means that product is made out of a material that can be recycled. Discuss how these symbols might influence our buying habits.



Now we switch to talking about water. Stress to the class that all living things must have water to survive and that water is a <u>non-renewable</u> resource.



Stress to the class that three-quarters (3/4) of the Earth is covered in water but we can only drink a small portion of it. Ask the class where all of the Earth's water is located.

After going of the remaining pictures, ask the class 'Just how much of the Earth's water is available for use to drink?'





but wait, there's more ....

Inland seas

Groundwater

**Rivers and streams** 

Since we have all of this water on Earth, how much is available for people to drink? A lot?

CONSERVATION

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Would you believe....

Less than 1% (0.63%, actually) is available for humans to drink.

Tell me why you think that is.

With less than 1% of our water available to drink, conserving water becomes very important. What are some things we can do to conserve water each and every day?

take a few less minutes in the shower

turn off the water while brushing teeth

hand wash dishes instead of using the dishwasher

don' run the clothes washer until it is full

wash cars a little less often

Stress to the class that less than 1% of the Earth's water is avail able for us to drink. In money terms, if all the water on Earth were represented by a dollar bill, less that 1 penny is available for us to drink. Ask the class why this is. (most of our the Earth's water is saltwater or locked up in ice) Discuss some ways we can conserve water.

