

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

# Waste & Our World

Date: \_\_\_\_\_

## How is a Product Made, Used, and Disposed?



### Discover: How Paper is Made and Recycled

#### Question

How is paper made and recycled?

You probably use all kinds of paper every day. You might read a book, write a note, use a paper towel, or open a cardboard package. These are various kinds of paper. Paper is made from trees and recycled paper. When you have used a piece of paper or the cereal box is empty, do not throw it away - **recycle** it! The recycled paper can be used to make new paper. In this activity, you will be recycling old paper into new paper.

#### Resources

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Access the website links from the online course.

- newspaper
- two pieces of wire screen, about 8x10 inches
- duct tape
- blender
- bowl with hot water
- flat-bottomed container
- warm water
- rolling pin
- trowels
- How to Make Paper Video (website)

## Instructions

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Go to the **Paper Recycles** website and click on the video on making paper. The video shows how paper is made from trees and recycled paper and how to make your own paper. The video will give you a good idea of how to do this experiment. Watch it again if you need to while you follow the steps to make your own paper.

- 1 Use the duct tape to tape a border around the two pieces of screen. This gives a frame by which you can hold the screens.
- 2 Tear the newspaper into small pieces.
- 3 Soak the pieces of newspaper in the bowl of hot water for thirty minutes.
- 4 Put a handful of the soaked paper into the blender and add some warm water.
- 5 Blend until it is soupy.
- 6 Pour the pulp blend into the flat-bottomed container and add some more warm water. Mix it all up.
- 7 Put one of the screens into the bin and slide it back and forth so that you get a layer of pulp on it.
- 8 Lift the screen out of the water and keep it flat. Let the water drip off.
- 9 Put the other screen on top and squish the pulp between the screens to squeeze the water out. Leave the screens together with the paper mush between.
- 10 Put the screens between trowels and roll with a rolling pin to get all the water out.
- 11 Pull the screens apart. Roll the pulp off the screen carefully. Lay it to dry on a table covered with more newspaper.

You have made new paper by recycling used paper!