



MAKING PAPER FROM RECYCLED MATERIALS

In this experiment, you will turn used paper into new paper by breaking it down, forming a sheet, and letting it dry.



Name: _____

Date: _____

Grade Level: _____



QUESTION

Can recycled paper be turned into new paper?



HYPOTHESIS

I think _____

because _____



MATERIALS

- Used paper (newspaper, scrap paper, or shredded paper)
- Water
- Blender
- Large bowl or tub
- Screen or frame (paper-making mold)
- Sponge or felt
- Towel or cloth
- Rolling pin (optional)
- Drying rack or flat surface



SAFETY FIRST

- Ask an adult for help when using the blender.
- Keep electrical appliances away from water.
- Clean up spills right away to prevent slips.
- Be gentle with the screen or frame.



PROCEDURE

1. Tear or cut used paper into small pieces and place in a bowl.
2. Add warm water to the bowl. Let it soak for at least 30 minutes.
3. Drain some of the water and put the soaked paper into a blender.
4. Add more water (about 2–3 cups) and blend until it becomes a smooth pulp.
5. Pour the pulp into a large bowl or tub and add more water. Stir well.
6. Dip the screen or frame into the pulp. Lift it up slowly and let water drain through the screen.
7. Place the wet sheet (on the screen) onto a sponge, felt, or towel.
8. Press gently with another towel or sponge to remove extra water.
9. Let the new paper dry on a flat surface or drying rack.
10. Once dry, gently peel the paper off the screen.

WHAT YOU ARE DOING



Soak and break down the paper.



Blend to make a pulp.



Lift the pulp to form a sheet.



Remove water and dry.



OBSERVATIONS

Describe what happened.

Draw your paper or the steps you saw.



CONCLUSION & REFLECTION

1. Was your hypothesis correct? Why or why not?

2. What did you learn?

3. How could you improve your paper next time?
