



LEVELED BOOK • I

How to Make Paper

Written by Annette Carruthers

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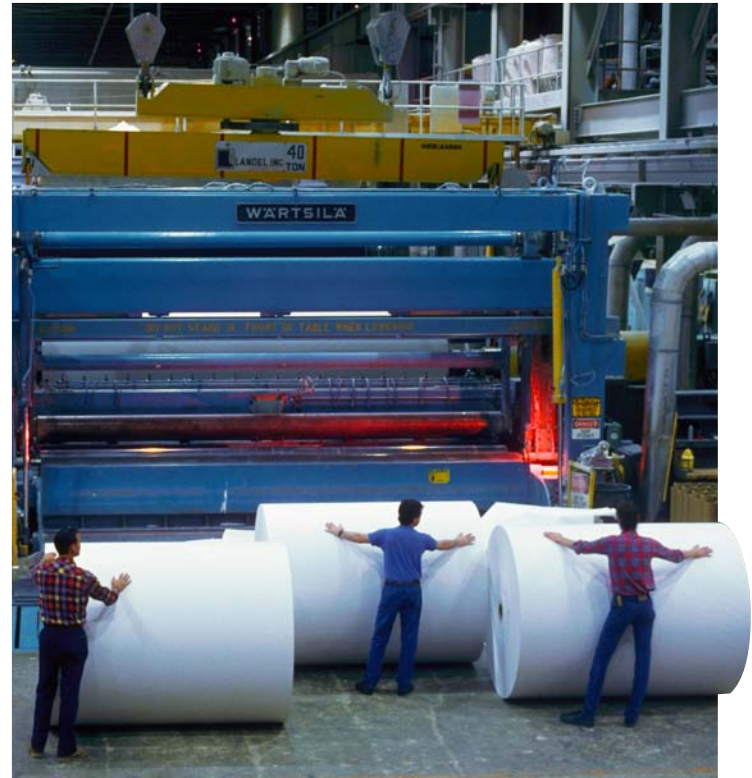
How to Make Paper



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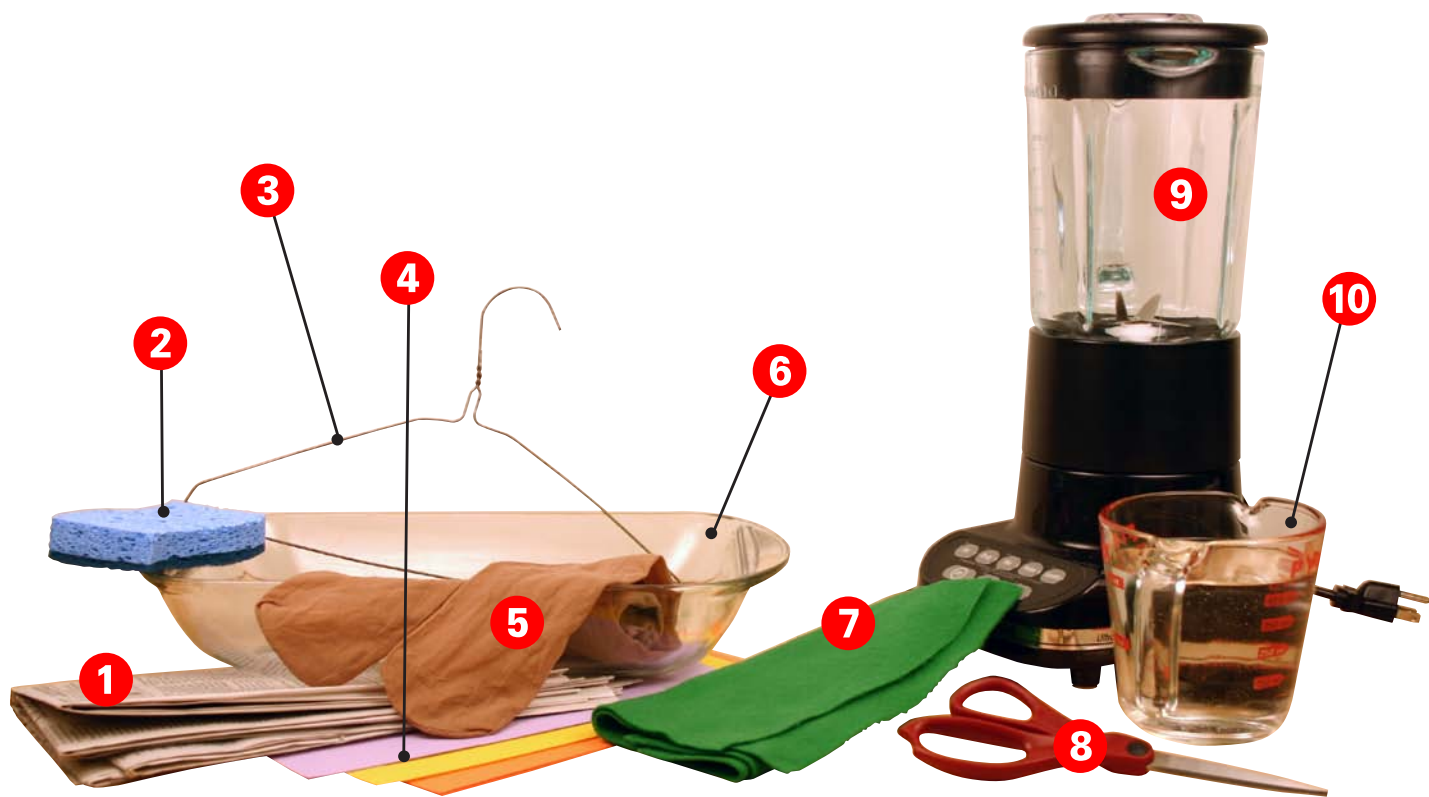
Have you ever wanted to know how paper is made? Paper is often made with machines in big **mills**. But you can make your own paper at home or school. You just need a few **supplies** and some help from an adult.



Rolls of paper inside a paper mill

Here are the supplies you will need:

- | | | | |
|---|--|----|-----------------------|
| 1 | Newspaper | 5 | Old pair of pantyhose |
| 2 | Sponge | 6 | Flat pan (9" x 13") |
| 3 | Wire hanger | 7 | 2 pieces of felt |
| 4 | Old paper
(cards, magazines,
newspaper, paper
bags, etc.) | 8 | Scissors |
| | | 9 | Blender |
| | | 10 | Water |



The first step to making paper
is to find old paper.
Rip the paper into small pieces.
Rip enough paper to fill one cup.



Second, put all the paper pieces in a blender.

Pour three cups of warm water into the blender.

Blend the paper and water on high for ten seconds.





The paper and water
will turn into **pulp**.

The pulp should look
like thick soup.



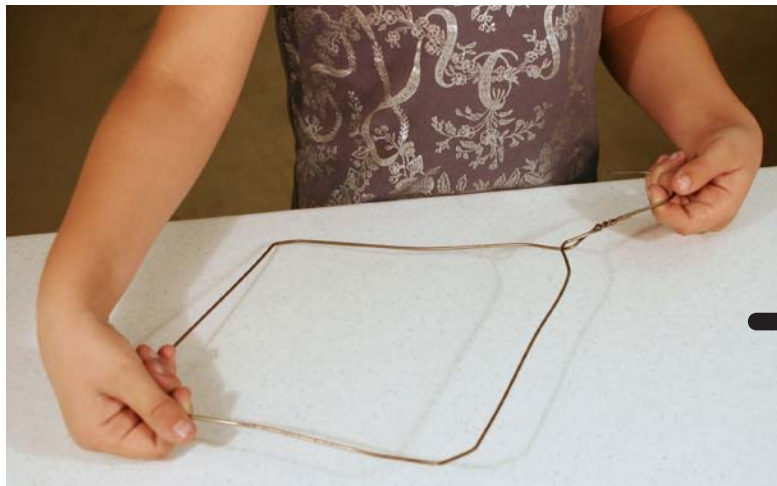
Too chunky

Too watery



Add more water if the pulp is as thick as oatmeal.

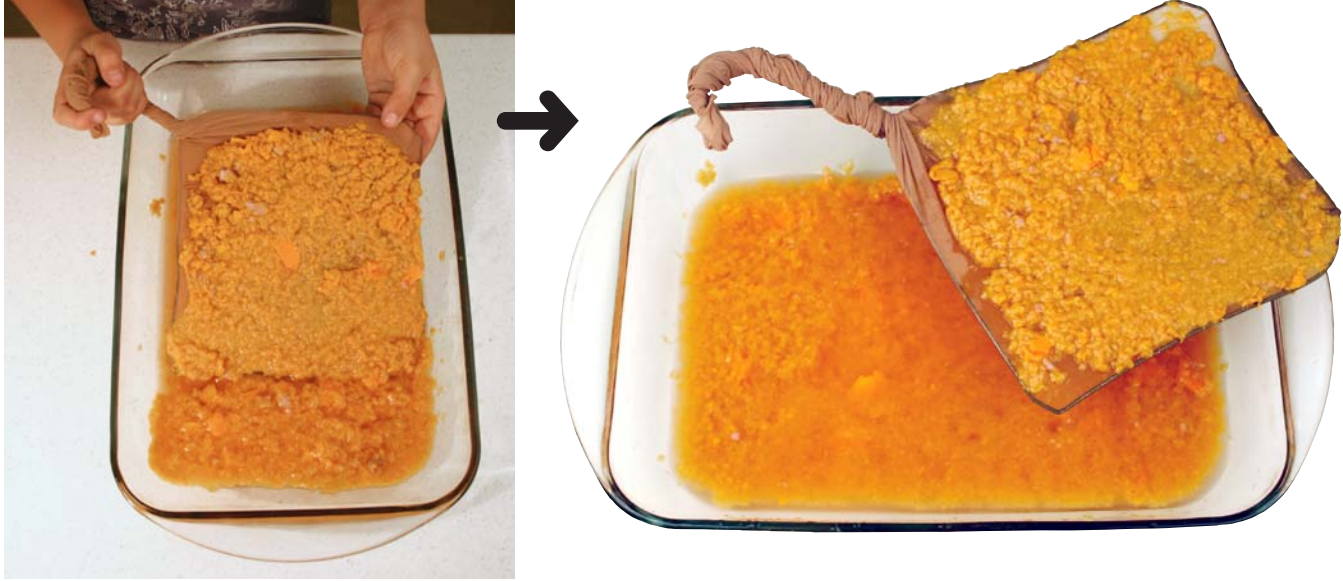
Add more paper if the pulp is as thin as water.



Third, bend the wire hanger into a rectangle.
Cut off one leg of the pantyhose.
Put the hanger inside the leg.
This is the **frame** for your paper.



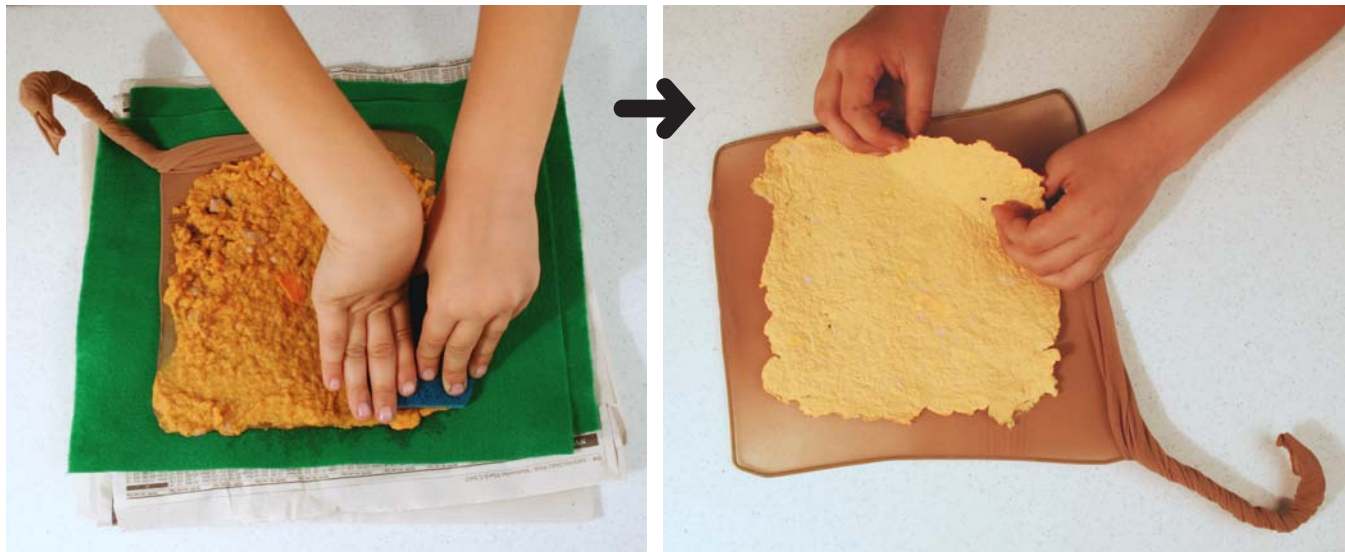
Fourth, pour the pulp into the flat pan.
Slide the frame into the pan.
Move the frame around until
the pulp evenly covers it.



Slowly lift the frame out of the pan.
Hold it flat above the pan.
Let the extra water drip into the pan.



Fifth, place ten sheets of newspaper on a flat table.
Place two pieces of felt on top of the newspaper.
Lay the frame with the pulp side up on the felt.



Press a sponge on the pulp to soak up the extra water.
Let the pulp dry on the frame for twenty-four hours.
Then, peel the paper from the frame.



You did it!

You made your own paper.

Use your paper to make cards
or write notes to someone.

Add Plants

You can use:

- grass
- flowers
- leaves



Place the plants onto the pulp
after the steps on page 13.



Glossary

- blend** (v.) to mix materials together (p. 7)
- frame** (n.) solid parts that surround something for support (p. 10)
- mills** (n.) buildings where materials such as paper
or steel are made (p. 3)
- pulp** (n.) a mass of soft, wet material (p. 8)
- supplies** (n.) the things needed for a task (p. 3)

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|------------------|-----------------------|
| cards, 4, 15 | mill, 3 |
| newspaper, 4, 13 | water, 4, 7–9, 12, 14 |

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Note to reader:

An adult will be needed for some of the steps in this how-to book. Look for this icon:



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