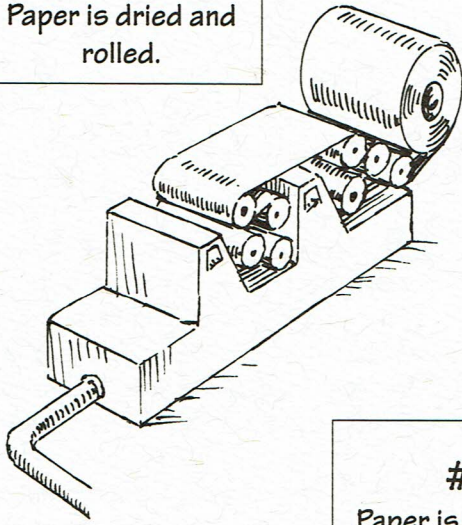




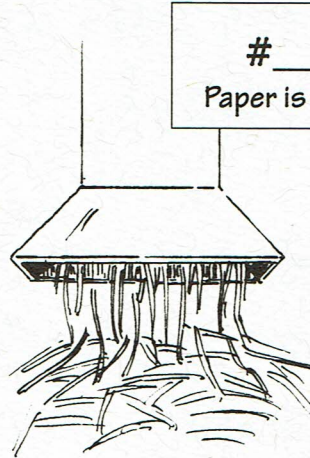
STEPS IN THE PAPERMAKING PROCESS

Directions: Put the papermaking process in the right order by numbering the pictures from 1 to 6.

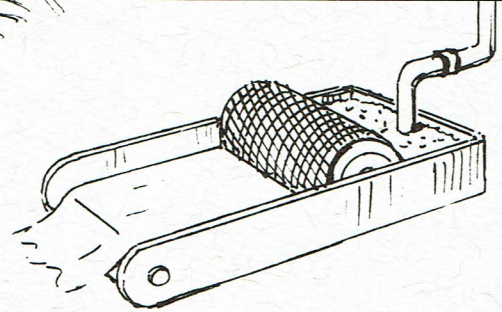
Paper is dried and rolled.



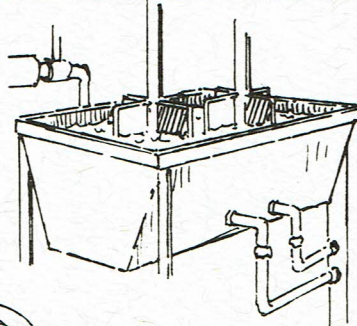
Paper is shredded.



Paper is poured onto a screen.



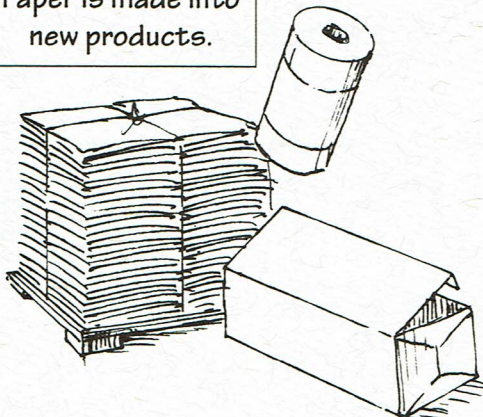
Paper is mixed with water in a digester/hydropulper.



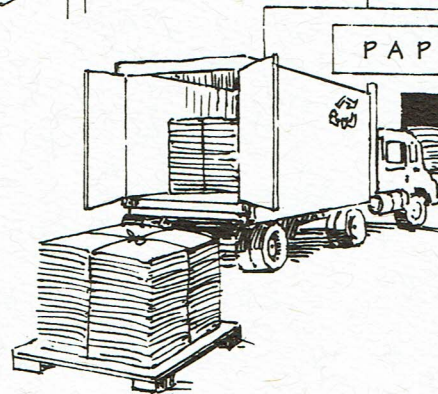
Bales of paper enter mill.



Paper is made into new products.



PAPER COMPANY





PAPERMAKING TERMS PUZZLE

Directions: Find the words listed below. They may appear diagonally, vertically, horizontally and/or backwards.

R	A	W	M	A	T	E	R	I	A	L	S	A	G	Z	I	U	B	H	K	E	G
P	R	O	D	U	C	T	I	O	N	Z	X	Q	R	O	P	P	U	E	N	N	B
S	R	E	U	S	E	K	J	X	Z	X	J	S	G	A	K	G	O	E	I	C	M
P	U	S	A	V	M	B	W	C	W	F	E	T	S	A	W	P	R	R	T	R	Q
L	R	P	T	S	O	B	L	Q	S	X	Z	V	Z	E	L	G	U	W	E	I	I
A	A	O	P	C	Z	V	K	E	Q	T	Z	Q	C	U	Y	T	Q	J	C	J	W
L	D	S	D	L	I	N	Q	H	Z	Y	E	I	P	H	C	P	E	J	H	Y	Q
V	G	V	O	U	Y	O	Z	M	E	C	V	R	U	A	C	D	I	K	N	G	D
R	U	A	E	P	C	R	Y	Q	I	R	E	M	F	C	F	E	O	B	O	V	V
Z	Q	Y	P	R	S	T	V	R	E	P	A	U	F	L	J	D	Q	O	L	K	D
O	Z	I	O	X	T	I	P	S	A	N	N	O	F	Z	Z	Y	L	K	O	Z	R
U	U	G	U	N	P	I	D	P	R	A	X	N	P	P	G	O	E	S	G	Y	U
R	B	A	X	L	E	G	S	E	M	P	P	L	E	S	H	V	S	X	Y	E	E
Q	Z	K	F	I	O	E	S	E	M	G	K	A	F	O	H	C	N	S	H	N	N
C	B	Z	C	O	G	O	C	J	M	A	N	W	P	F	L	B	L	H	F	O	E
F	T	Q	D	A	U	O	A	U	K	E	R	I	T	E	C	O	V	S	L	M	R
H	X	S	B	R	N	G	G	B	B	A	N	K	L	D	R	W	P	E	S	G	P
S	J	R	C	S	T	X	D	X	S	L	L	T	E	C	N	D	H	G	M	N	E
H	A	E	U	Y	E	B	O	I	C	K	K	P	Y	T	Y	A	R	A	G	I	R
G	S	M	M	W	G	D	W	V	R	R	N	Z	A	O	I	C	M	W	I	V	T
L	E	I	V	W	R	B	G	F	Z	E	Q	K	R	O	W	N	E	E	K	A	N
R	T	R	A	S	H	O	T	M	C	I	X	B	X	F	R	E	G	R	D	S	E

advertisement
consumer
demand
disposal
energy
entrepreneur

garbage
goods
human resources
manufacturing
marketing
paper

paper pulp
price
product
production
raw materials
recycling

reuse
saving money
service
supply
technology
trash

wages
waste
work



HOW TO MAKE PAPER

MATERIALS

base paper
warm water
2 large bowls

wire strainer
dish pans
screens
(see instructions)

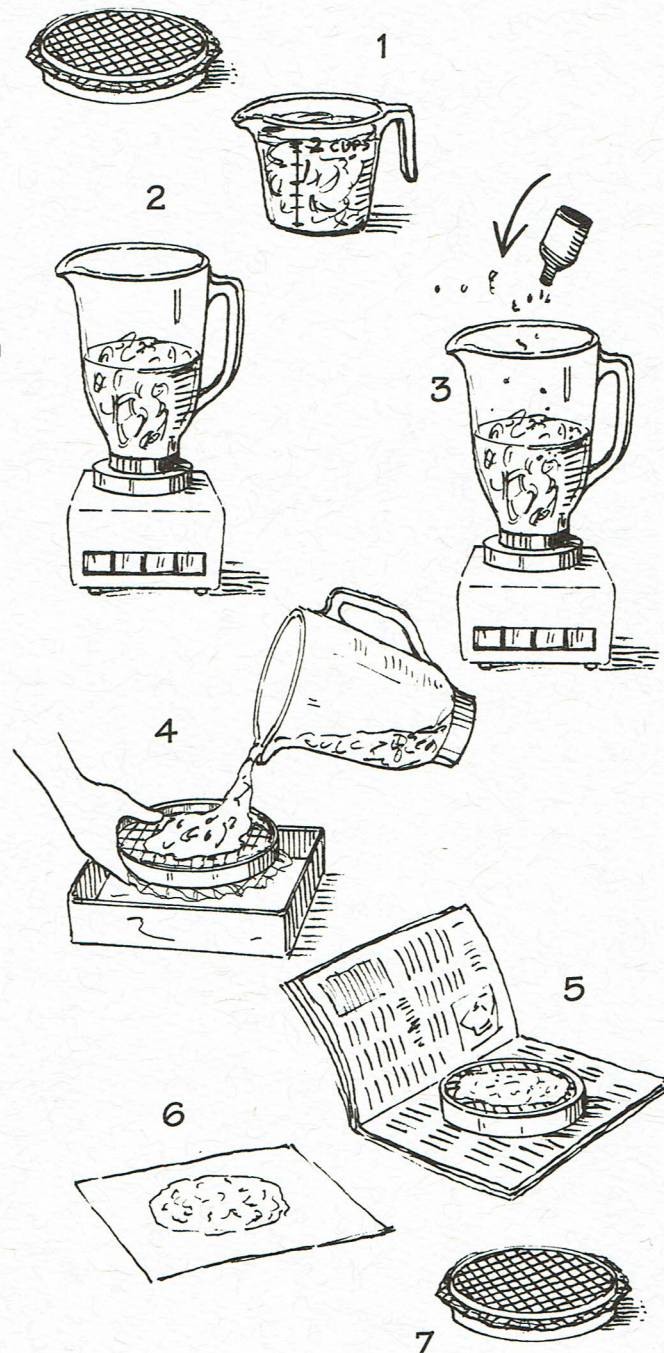
whisk
blender
plastic canvas
newspaper

2-cup measure
colored tissue
string, yarn, feathers, lint

INSTRUCTIONS FOR MAKING SCREENS:

Use wooden or plastic embroidery hoops. Cut polyester window screening to fit the hoops, leaving excess so the screens can be tightened if they loosen up. Cut plastic canvas to fit the opening in the hoop.

- 1** Tear the base paper into small pieces measuring about 2 cups.
- 2 TOOLS:**
 - If using a whisk, put paper and 3 cups of warm water into a bowl. Let soak for at least 20 minutes. Stir with whisk.
 - If using a blender, fill blender half full of warm water. Add 2 cups of paper. Blend until the consistency of oatmeal.
- 3 ADDITIVES:** If your group has an additive put it into the blender or bowl at this time. Additives add color, texture and smell.
- 4 SHAPING:** You will be pouring your paper pulp onto screens. Make sure to do this over the dishpans so they will catch the extra water. Pour enough pulp onto the inside of your hoop to cover the screening. Take the piece of plastic canvas and press onto the pulp to remove the excess water.
- 5** With the excess water removed from the pulp, place the hoop, with the canvas still in it, onto a section of newspaper. Use the newspaper to blot the extra moisture out of your recycled paper. You are ready to take out your paper when you blot and no water comes out.
- 6** Take out the plastic canvas and turn the hoop over onto a scrap piece of paper. Tap on the back of the screening. If the paper doesn't come out, take the hoop apart. Leave the recycled paper on the piece of scrap paper to dry.
- 7** Put the hoop back together to make your next sheet of paper.



NOTE: Collect leftover pulp in a strainer. **DO NOT POUR PULP DOWN A SINK DRAIN** - it might block it.