



# PULP AND PAPER

## Merit Badge Requirements

- 1) Tell the history of papermaking. Describe the part paper products play in our culture and economy.
- 2) List the trees which are the major sources of papermaking fibers.
  - A) Tell what other uses are made of the trees and of the forest land owned by the pulp and paper industry.
  - B) Describe ways the industry plants, grows, and harvests trees.
- 3) Describe two ways of getting fibers from wood.
  - A) What are the major differences?
  - B) Why are some pulps bleached? Describe this process.
- 4) Describe how paper is made. Make a sheet of paper by hand using the process described.
- 5) What is coated paper and why is it coated? Describe the major uses for different kinds of coated paper. In what other ways are papers changed by chemical or mechanical means to make new uses possible?
- 6) Make a list of fifteen pulp or paper products in your home. Show samples of ten such products.
- 7) Do one:
  - A) Visit a pulp mill. Describe how they convert wood into cellulose fibers.
  - B) Visit a paper mill and get a sample of the paper. Describe the processes used for making this paper. Tell how it will be used.
  - C) Visit a container plant or box plant. Describe how the product was made.
  - D) Visit a printer or newspaper plant to learn how they use paper. Describe the visit. Explain why particular types of paper were used.
- 8) Describe six of the major jobs in the pulp and paper industry.





**Requirement 5**

What is coated paper? \_\_\_\_\_

\_\_\_\_\_  
\_\_\_\_\_

Why is it coated? \_\_\_\_\_

\_\_\_\_\_  
\_\_\_\_\_

Describe the major uses for different kinds of coated paper: \_\_\_\_\_

\_\_\_\_\_  
\_\_\_\_\_

In what other ways are papers changed by chemical or mechanical means to make new uses possible? \_\_\_\_\_

\_\_\_\_\_  
\_\_\_\_\_

**Requirement 6**

Make a list of fifteen pulp or paper products in your home:

_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____

\_\_\_ Show samples of ten such products to your counselor.

**Requirement 7**

You have been given four options for this requirement. Select and complete one of them.

If you selected *Option A*:

Visit a pulp mill. Describe how they convert wood to cellulose fibers: \_\_\_\_\_

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Scout Name: \_\_\_\_\_ Unit #: \_\_\_\_\_ Date: \_\_\_\_\_

If you selected **Option B**:

Visit a paper mill and get a sample of the paper. Describe the processes used for making this paper: \_\_\_\_\_

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Tell how it will be used: \_\_\_\_\_

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If you selected **Option C**:

Visit a container plant or box plant. Describe how the product was made: \_\_\_\_\_

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If you selected **Option D**:

Visit a printer or newspaper plant to learn how they use paper. Describe the visit: \_\_\_\_\_

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Explain why particular types of paper were used: \_\_\_\_\_

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**Requirement 8**

Describe six of the major jobs in the pulp and paper industry:

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

Job Description: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

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

Job Description: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

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

Job Description: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

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

Job Description: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

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

Job Description: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

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

Job Description: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_