

## Worksheet B Teacher's Key

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

### Supplementary Worksheet for Paper and I (c. 1950s)

In this film from the Texas Forest Service Collection, a young boy learns about the South's paper products industry and "what the world would be like without paper" through the guidance of an animated paper bag.

This worksheet is designed to help you gather information from the film about the benefits and disadvantages of the timber industry. Answer the questions completely and determine which position the filmmakers and the film's participants would take.

What area does Willie travel to in order to see timber harvesting?

The southern United States

Which trees do harvesters cut down? What is the reason the movie gives for cutting these trees down?

The woodsman cuts down trees that are marked to harvest pine and hardwoods. These trees are cut down to clear areas in the forest, so other trees can grow. It provides a cash crop for the paper growers and pulp for paper mills.

Describe the steps that the timber goes through before it becomes paper:

1. Barking drum – bark is removed from logs
2. Chipper – Breaks wood into tiny chips
3. Digester – Chemicals are added to separate out fibers and the material is cooked
4. Washed
5. Screened
6. Beaten and flattened
7. Color and size are added
8. Refined
9. Fourdrinier - presses and draws off water, loses water in rollers
10. Calendar machine - the paper is ironed

How much wood pulp is made in the southern United States?

Over half of the country's wood pulp

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Give some examples of what disappears when there is no paper:

- Paper grocery bags
- Newspapers and magazines
- Paper towels
- Cardboard food boxes
- Books
- Sheetrock
- Tinkertape
- Fabric/dresses

What are some of the things the conservation forester does to help the farmer?

- Help obtain and plant seedlings
- Marking trees for thinning tree stands
- Removing trees so healthy, well-spaced trees can grow
- Helping to protect against fire

### Vocabulary:

Woodsman –

A person who works in the woods, eg. Forester or woodcutter

Pulp Mill –

A facility that converts trees into wood fiber for other uses

Fourdrinier press –

A machine for making paper as a continuous sheet

Calendar machine –

A machine with rollers which presses paper