Daily Wood InsideTREES Scavenger Hunt activity

Your name ____________________________

This activity gets us acquainted with the importance and prevalence of wood and products from trees and the forest in our daily lives. Be sure to look at the accompanying files related to this activity before you begin.

Instructions

1. This is a listing Scavenger Hunt activity. Let’s get some background first.
2. Why are trees and the wood from them so important to us in our daily lives?
3. How many pounds of wood on average do each one of us in the USA use every day?
4. How many trees are planted by the forest products industry to replace every one harvested?
5. True or False? We have more wood fiber available worldwide now than we did in the year 1900?
6. Wood is truly the masterpiece of nature that provides for our needs each and every day. There are over 5,000 items made with wood and forest products that we use in our daily lives. Wood is a remarkable material because it is renewable, recyclable, and biodegradable.
7. Let’s start by identifying what the items in the list below have in common. Put a check by each one that has wood or comes from a tree.

| paper towels | instant hot chocolate | books |
| motorcycle helmet | aspirin | wooden spoons |
| ketchup | furniture polish | dish washing soap |
| chewing gum | orange soda pop | toilet paper |
| hair spray | cinnamon | carnauba car wax |
| crayons | artificial vanilla flavoring | vitamins |
| rayon and Tencel™ fabric | toothbrush | sandwich bags |
| toothpaste | pallets | tool handles |

8. Then every day for 1 week keep track on the following pages all the things you encounter that have wood or a forest product in them. Look at the accompanying files for some examples.
9. At the end of the week, review your lists to see who found the most items in their daily life during the week.

This activity was developed by the Dept. of Sustainable Biomaterials, Virginia Tech and supported by funds received from the U.S. Department of Agriculture NIFA Women and Minorities in Science, Technology, Engineering, and Mathematics Fields Program (WAMS), Award No. 2017-38503-27170.
<table>
<thead>
<tr>
<th>ITEM</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>1.</td>
<td></td>
</tr>
<tr>
<td>2.</td>
<td></td>
</tr>
<tr>
<td>3.</td>
<td></td>
</tr>
<tr>
<td>4.</td>
<td></td>
</tr>
<tr>
<td>5.</td>
<td></td>
</tr>
<tr>
<td>6.</td>
<td></td>
</tr>
<tr>
<td>7.</td>
<td></td>
</tr>
<tr>
<td>8.</td>
<td></td>
</tr>
<tr>
<td>9.</td>
<td></td>
</tr>
<tr>
<td>10.</td>
<td></td>
</tr>
<tr>
<td>11.</td>
<td></td>
</tr>
<tr>
<td>12.</td>
<td></td>
</tr>
<tr>
<td>13.</td>
<td></td>
</tr>
<tr>
<td>14.</td>
<td></td>
</tr>
<tr>
<td>15.</td>
<td></td>
</tr>
<tr>
<td>16.</td>
<td></td>
</tr>
<tr>
<td>17.</td>
<td></td>
</tr>
<tr>
<td>18.</td>
<td></td>
</tr>
<tr>
<td>19.</td>
<td></td>
</tr>
<tr>
<td>20.</td>
<td></td>
</tr>
<tr>
<td>21.</td>
<td></td>
</tr>
<tr>
<td>22.</td>
<td></td>
</tr>
<tr>
<td>23.</td>
<td></td>
</tr>
<tr>
<td>24.</td>
<td></td>
</tr>
<tr>
<td>25.</td>
<td></td>
</tr>
<tr>
<td>26.</td>
<td></td>
</tr>
<tr>
<td>27.</td>
<td></td>
</tr>
<tr>
<td>28.</td>
<td></td>
</tr>
<tr>
<td>29.</td>
<td></td>
</tr>
<tr>
<td>30.</td>
<td></td>
</tr>
<tr>
<td>31.</td>
<td></td>
</tr>
<tr>
<td>32.</td>
<td></td>
</tr>
<tr>
<td>33.</td>
<td></td>
</tr>
<tr>
<td>34.</td>
<td></td>
</tr>
<tr>
<td>35.</td>
<td></td>
</tr>
<tr>
<td>36.</td>
<td></td>
</tr>
<tr>
<td>37.</td>
<td></td>
</tr>
<tr>
<td>38.</td>
<td></td>
</tr>
<tr>
<td>39.</td>
<td></td>
</tr>
<tr>
<td>40.</td>
<td></td>
</tr>
<tr>
<td>41.</td>
<td></td>
</tr>
<tr>
<td>42.</td>
<td></td>
</tr>
<tr>
<td>43.</td>
<td></td>
</tr>
<tr>
<td>44.</td>
<td></td>
</tr>
<tr>
<td>45.</td>
<td></td>
</tr>
<tr>
<td>46.</td>
<td></td>
</tr>
<tr>
<td>47.</td>
<td></td>
</tr>
<tr>
<td>48.</td>
<td></td>
</tr>
<tr>
<td>49.</td>
<td></td>
</tr>
<tr>
<td>50.</td>
<td></td>
</tr>
<tr>
<td>51.</td>
<td></td>
</tr>
<tr>
<td>52.</td>
<td></td>
</tr>
<tr>
<td>53.</td>
<td></td>
</tr>
<tr>
<td>54.</td>
<td></td>
</tr>
<tr>
<td>55.</td>
<td></td>
</tr>
<tr>
<td>56.</td>
<td></td>
</tr>
<tr>
<td>57.</td>
<td></td>
</tr>
<tr>
<td>58.</td>
<td></td>
</tr>
<tr>
<td>59.</td>
<td></td>
</tr>
<tr>
<td>60.</td>
<td></td>
</tr>
<tr>
<td>61.</td>
<td></td>
</tr>
<tr>
<td>62.</td>
<td></td>
</tr>
<tr>
<td>63.</td>
<td></td>
</tr>
<tr>
<td>64.</td>
<td></td>
</tr>
<tr>
<td>65.</td>
<td></td>
</tr>
<tr>
<td>66.</td>
<td></td>
</tr>
<tr>
<td>67.</td>
<td></td>
</tr>
<tr>
<td>68.</td>
<td></td>
</tr>
<tr>
<td>69.</td>
<td></td>
</tr>
<tr>
<td>70.</td>
<td></td>
</tr>
<tr>
<td>71.</td>
<td></td>
</tr>
<tr>
<td>72.</td>
<td></td>
</tr>
<tr>
<td>73.</td>
<td></td>
</tr>
<tr>
<td>74.</td>
<td></td>
</tr>
<tr>
<td>75.</td>
<td></td>
</tr>
<tr>
<td>76.</td>
<td></td>
</tr>
<tr>
<td>77.</td>
<td></td>
</tr>
<tr>
<td>78.</td>
<td></td>
</tr>
<tr>
<td>79.</td>
<td></td>
</tr>
<tr>
<td>80.</td>
<td></td>
</tr>
</tbody>
</table>

This activity was developed by the Dept. of Sustainable Biomaterials, Virginia Tech and supported by funds received from the U.S. Department of Agriculture NIFA Women and Minorities in Science, Technology, Engineering, and Mathematics Fields Program (WAMS), Award No. 2017-38503-27170
This activity was developed by the Dept. of Sustainable Biomaterials, Virginia Tech and supported by funds received from the U.S. Department of Agriculture NIFA Women and Minorities in Science, Technology, Engineering, and Mathematics Fields Program (WAMS), Award No. 2017-38503-27170
This activity was developed by the Dept. of Sustainable Biomaterials, Virginia Tech and supported by funds received from the U.S. Department of Agriculture NIFA Women and Minorities in Science, Technology, Engineering, and Mathematics Fields Program (WAMS), Award No. 2017-38503-27170
Daily Wood InsideTREES Scavenger Hunt activity

Answers*:

Why are trees and the wood from them so important to us in our daily lives?

* Trees keep water and air clean, they provide habitat for wildlife and places for recreation, and they provide wood and other components that form the raw materials for thousands of products we use every day. Products made from wood and other forest materials are recyclable, reusable, and renewable. They help mitigate climate change and reduce consumption of nonrenewable materials like oil and other petroleum products.

How many pounds of wood on average do each one of us in the USA use every day?

* Each person in the USA uses about 3 pounds of wood and wood products, 2 in the form of fiber products and 1 pound in wood products like furniture and plywood.

How many trees are planted by the forest products industry to replace every one harvested?

* 3

True or False? We have more wood fiber available worldwide now than we did in the year 1900?

* TRUE

What items in the list have wood or come from a tree?

* SURPRISE, ALL the items on the list contain something that has wood or a byproduct from a process that uses wood or components of a tree as the raw material.

See the attached files for more information.

*Source: American Forest and Paper Association; North Carolina Forestry Association; Kentucky Cooperative Extension Service
Goods From the Woods

Through research and advances in technology, we have learned to convert tree fibers and paper-pulping residues into a wealth of products, like the ones listed below. In fact, there are more than 5,000 wood and paper products that make our lives better each day -- everything from baby food and ice cream to rayon and paint, to toothpaste, cosmetics, medicine and house-hold cleaners.

But what makes all of these products special is that they come from a renewable resource - trees. Unlike fossil fuels, metals, and plastics, wood can be harvested, used, regrown, and harvested again and again in a never-ending cycle. With proper management of our forests, we can enjoy thousands of products and still have plenty of trees for wildlife habitat, recreation, and aesthetic beauty today and in the future.

Shipping Crates: Wooden crates are made from sweetgum tupelo, yellow-poplar, and maple.

Toothpaste: Terpenes, which are derived from wood, are used to make licorice flavor as well as to sweeten the spearmint or peppermint flavor of many toothpastes and mouthwashes.

Soft drinks: Many citrus flavored soft drinks contain esters, which are derivatives of trees used to assure a uniform distribution of the citrus flavor throughout the drink.

Facial tissue: Papers - including facial tissue, toilet paper, paper towels, newspapers, and writing papers - are made from wood pulp.

Lotion: Many products, including lotions, contain Vitamins A & E, which come from wood extracts.

Glue: Glues and adhesives can be made from hard resins, which come from trees.

Dishwashing liquid, soap, and shampoo: Detergents as well as many soaps and shampoo, are made from crude fatty acids derived from wood. The lemon scent of some dishwashing liquids and furniture polishes comes from trees during pine turpentine processing.

Chewing gum: Chewing gum is made by using the rosin or storax of trees such as spruce. Chewing gum may also be artificially flavored with peppermint and spearmint, which come from a group of pine derivatives called terpenes.

Medicine: Aspirin tablets and other medicines in tablet form are held together with lignin, which is a natural part of wood. The essential elements of aspirin come from the bark of willow trees. Other medicines used in treating diseases such as high blood pressure and Parkinson’s disease contain various wood derivatives.

Spices: Many spices used in cooking - such as nutmeg, bay leaves, and cinnamon - come from trees. Cinnamon comes from the bark of laurel trees.

Crayons: Carnauba wax, a resin produced by the leaves of the carnauba tree, is the waxy component of crayons. Carnauba wax is also used in car wax, and as a finish coating on furniture, produce such as apples and pears, and a wide variety of other products. The pharmaceutical industry uses it to coat pills. It is a major ingredient in lipstick and other cosmetics.

Instant hot chocolate: Instant hot chocolate contains the thickening and preserving agent cellulose or methylcellulose, the main building block of wood.

Hair spray: Hair spray, as well as adhesives, is made from tree resins, sticky liquid substances that usually harden when exposed to air.

Sandwich bags: Cellophanes are derived from the sugar components of wood during the pulping process and are used in making such products as wrap and tape.

Original source: North Carolina Forestry Association

Dept. of Sustainable Biomaterials, InsideTrees activity, sbio@vt.edu
# Products Made From Wood

Terry Conners  
Cooperative Extension Service  
Department of Forestry  
University of Kentucky  
tconners@uky.edu

Original list created from a number of other lists, with additions  
*Corrections and Additions will be welcomed!*

## Solid Wood Products

<table>
<thead>
<tr>
<th>Lumber and plywood to build new homes</th>
<th>Stair rails</th>
</tr>
</thead>
<tbody>
<tr>
<td>Doors</td>
<td>End tables</td>
</tr>
<tr>
<td>Window frames and sills</td>
<td>Coffee tables</td>
</tr>
<tr>
<td>Flooring</td>
<td>Beds</td>
</tr>
<tr>
<td>Handrails</td>
<td>Bookcases</td>
</tr>
<tr>
<td>Stairs</td>
<td>Desks</td>
</tr>
<tr>
<td>I-joists</td>
<td>Kitchen cabinets</td>
</tr>
<tr>
<td>LVL (laminated veneer lumber)</td>
<td>Picture frames</td>
</tr>
<tr>
<td>Parallel strand lumber</td>
<td>Nightstands</td>
</tr>
<tr>
<td>Finger-jointed lumber</td>
<td>Bureaus</td>
</tr>
<tr>
<td>Machine stress-rated lumber</td>
<td>Fireplace mantels</td>
</tr>
<tr>
<td>Coat racks</td>
<td>Sculptures and carvings</td>
</tr>
<tr>
<td>iPhone cases</td>
<td>Landscape timbers</td>
</tr>
<tr>
<td>Furniture</td>
<td>Highway guard rails</td>
</tr>
<tr>
<td>Dancing room tables and chairs</td>
<td>Snowshoes</td>
</tr>
<tr>
<td>Upholstered furniture frames</td>
<td>Toothpicks</td>
</tr>
<tr>
<td>Rocking chairs</td>
<td>Match sticks</td>
</tr>
<tr>
<td>Stools</td>
<td>Chopsticks</td>
</tr>
<tr>
<td></td>
<td>Shutters</td>
</tr>
<tr>
<td></td>
<td>Baseball bats</td>
</tr>
<tr>
<td></td>
<td>Canoe paddles and oars</td>
</tr>
</tbody>
</table>
Musical instruments:
- Guitars
- Pianos
- Organs and organ pedals
- Hammer dulcimers
- Mountain dulcimers
- Oboes
- Bagpipes
- Ukuleles
- Banjos
- Clarinets
- Flutes/Fifes
- Mandolins
- String bass
- Violins, violas
- Violin bows
- Cellos
- Bassoons
- Drums
- Drum Sticks
- Tambourines
- Wood blocks
- Wooden spoons
- Speaker cabinets
- Amplifier cabinets
- Metronomes
- Xylophones
- Harmonicas

Stage flooring
Backyard weathervanes
Caskets
Sandboxes and Backyard play sets
Charcoal
Tool handles
Wooden tools
- Biltmore sticks
- Log scale sticks
- Toolboxes
- Mallets
- Marking/mortise gauge

Toilet plungers
Medicine cabinets
Parallel bars
Vineyard stakes
Toys such as wooden blocks
Rulers
Birdhouses
Fencing, fence posts and rails
Firewood
Fishing boats
Tall ships
Rowboats
Ladders
Hockey sticks
Dog houses
Pallets
Particleboard
Medium density fiberboard (MDF)
(used in kitchen cabinets and furniture panels, for example)
Hardboard
Garage doors
Gazebos
Hot tubs and spas
Lath
Trellises
Kitchen utensils
Pencils
Ping Pong paddles
Golf tees
Animal bedding
Railroad ties
Seesaws
Model airplanes
Coffins
Brush handles
Cable reels
Canes
Cedar chests
Cedar closet lining
<table>
<thead>
<tr>
<th>Activated charcoal</th>
<th>Duck decoys</th>
</tr>
</thead>
<tbody>
<tr>
<td>Church pews and altars</td>
<td>Beer clarifier</td>
</tr>
<tr>
<td>Closet rods</td>
<td>Humidors</td>
</tr>
<tr>
<td>Barrels</td>
<td>Shoe soles and heels</td>
</tr>
<tr>
<td>Crutches</td>
<td>Easels</td>
</tr>
<tr>
<td>Docks</td>
<td>Kite struts</td>
</tr>
<tr>
<td>Decks</td>
<td>Christmas trees</td>
</tr>
<tr>
<td>Kitchen cabinets</td>
<td>Windmills</td>
</tr>
<tr>
<td>Ferryboats</td>
<td>Scythes</td>
</tr>
<tr>
<td>Gazebos</td>
<td>Corn cribs</td>
</tr>
<tr>
<td>Grandfather clocks</td>
<td>Baker’s peels</td>
</tr>
<tr>
<td>Truck and trailer flooring</td>
<td>Barns</td>
</tr>
<tr>
<td>Mouldings and baseboards</td>
<td>Home greenhouses</td>
</tr>
<tr>
<td>Paneling</td>
<td>Frying pan and pot handles</td>
</tr>
<tr>
<td>Picnic tables</td>
<td>Cider presses</td>
</tr>
<tr>
<td>Pilings for building construction</td>
<td>Light switch covers</td>
</tr>
<tr>
<td>Popsicle sticks</td>
<td>Award plaques</td>
</tr>
<tr>
<td>Porch swings</td>
<td>Dollhouses</td>
</tr>
<tr>
<td>Produce crates and boxes</td>
<td>Wooden steering wheels</td>
</tr>
<tr>
<td>Propeller shaft bearings for ships</td>
<td>Bar tops</td>
</tr>
<tr>
<td>Rocking horses</td>
<td>Clipboards</td>
</tr>
<tr>
<td>Shingles</td>
<td>Cooling towers</td>
</tr>
<tr>
<td>House siding</td>
<td>Curtain rods</td>
</tr>
<tr>
<td>Putty-type of wood filler</td>
<td>Boomerangs</td>
</tr>
<tr>
<td>Tongue depressors</td>
<td>Gavels</td>
</tr>
<tr>
<td>Totem poles</td>
<td>Pulpits and podiums</td>
</tr>
<tr>
<td>Sleds</td>
<td>Buttons</td>
</tr>
<tr>
<td>Salad bowls and serving ware</td>
<td>Stadium seating</td>
</tr>
<tr>
<td>Telephone poles</td>
<td>Cutting boards</td>
</tr>
<tr>
<td>Wheelbarrow handles</td>
<td>Broom handles</td>
</tr>
<tr>
<td>Wooden nickels</td>
<td>Stirrups</td>
</tr>
<tr>
<td>Pegboard</td>
<td>Saunas</td>
</tr>
<tr>
<td>Ship masts and yardarms</td>
<td>Surveyor stakes</td>
</tr>
<tr>
<td>Toilet seats</td>
<td>Yardsticks</td>
</tr>
<tr>
<td>Piano keys (wooden)</td>
<td>Game pieces</td>
</tr>
<tr>
<td>Pinewood Derby cars</td>
<td>Croquet sets</td>
</tr>
<tr>
<td>Clothespins</td>
<td>Mousetraps</td>
</tr>
<tr>
<td>Pool tables</td>
<td>Pipes</td>
</tr>
<tr>
<td>Fireplace mantles</td>
<td>Rolling pins</td>
</tr>
<tr>
<td>Display cases</td>
<td>Knife handles</td>
</tr>
</tbody>
</table>
Children’s puzzles
Work benches
Toboggans
Bookcases
Park benches
Gun racks and cabinets
Billboards
Snow fences
Trellises
Tobacco sticks
Garden stakes and poles
Parallel bars
Log houses
Bowling alley lanes
Bowling pins
Railroad crossing gates
Rural bridges
Tent poles
Hurdles
Lobster pots and floats
Wooden matches
Parts of snowboards, skis and skateboard
Ventriloquist dummies
Name tags
Flagpoles (for smaller flags)
Cribs
Police batons
Planters
Dowels
Scaffold planks
Concrete forms
Glu-lam beams (used to create long open spaces, as in churches)
Excelsior
Veneer
Bushel baskets
Pants hangers
Kitchen counters
Woodcut artwork
Merry-go-Round horses
Birdhouses
Snowshoes
Woodworking clamps
Spinning wheels
Baskets
Novelties such as Nutcrackers
Checker sets
Jewelry boxes
Foundry patterns
Crates
Garage doors
Theatre scenery
Gunstocks
Beehives
Butcher blocks
Organ pipes
Crucifixes
Drafting tables
Ballot boxes
Yo-yos
Dice
Silverware chests
Venetian blinds
Billiard cue sticks
Fuel for meat smokers
Spices and flavorings from woody plants:
Allspice
Anatto
Bay leaves
Cinnamon
Cloves
Filé (Sassafras leaves, used to thicken gumbos)
Juniper berries (gin flavoring)
Mace
Nutmeg
Orange blossoms (flavored water)
Chips for smoking meat
Sassafras oil is used as a soap perfume
Logs provide nutrients for shiitake mushrooms
Cutting boards
Model airplanes
“Biscuits” for wood joining

<table>
<thead>
<tr>
<th>Products that Used to be Made From Wood</th>
</tr>
</thead>
<tbody>
<tr>
<td>(Some of these may still be made from wood for specialty products.)</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Wood products</th>
<th>Other products</th>
</tr>
</thead>
<tbody>
<tr>
<td>Orange blossoms (flavored water)</td>
<td>Doll houses</td>
</tr>
<tr>
<td>Chips for smoking meat</td>
<td>Test tube racks</td>
</tr>
<tr>
<td>Sassafras oil is used as a soap perfume</td>
<td>Wine racks</td>
</tr>
<tr>
<td>Logs provide nutrients for shiitake mushrooms</td>
<td>Handrails</td>
</tr>
<tr>
<td>Cutting boards</td>
<td>Stake-body truck sides</td>
</tr>
<tr>
<td>Model airplanes</td>
<td>Gerbil chew sticks (balsa wood)</td>
</tr>
<tr>
<td>“Biscuits” for wood joining</td>
<td></td>
</tr>
</tbody>
</table>

- Water pipes
- Bocce balls
- Commemorative medallions
- Tennis rackets
- Car dashboards
- Golf clubs
- Conestoga wagons
- Clocks and clock gears
- Waterwheels
- Printing press type
- Printing presses
- Deckle boxes (frames used to make paper by hand)
- Paper presses (to squeeze the water out of handmade paper)
- Woodworking planes
- Cigar store Indians
- Weaving shuttles and bobbins
- Wooden shoes
- Bows and arrows
- Cradles
- Wooden wheels for automobiles and wagons
- Pull toys
- Sextants
- Street paving blocks
- Rocking horses
- Fun house barrels
- Fishing lures
- Storage battery separators (hard rubber)
- Water tanks
- Wardrobes/armoires
- Model “T” coil boxes
- Automobile chassis
- Ironing boards
- Treenails
- Post and beam timber framing
- Cabinet for Analytical balances
- Shoe lasts
- Radio, television and phonograph/stereo cabinets
- Butter churns
- Harpsichords
- Railroad cars
- Aircraft propellers and airframes
- Minesweeper boats, PT boats
- Silos
- Fermentation vats
- Cigar boxes
Racing shells (one to eight-man rowed boats)
Wringers for washing machines
Telephones
Wood creosote used to be used as a laxative, a disinfectant and a cough treatment (rarely used nowadays).
Woodworking tools
  Planes
  Carpenter levels
  Carpenter rules
Gear shift knobs
Butter molds
Slide rules
Phonographs
Bicycles
Traveler’s writing desks
Cigar molds
Artist’s pallets
Washboards
Skis
Water well structures
Water pump enclosures
Wheel chairs
Candlesticks
Warships
Wardrobe trunks
Maple syrup buckets
Abacus
Pulleys
Gallows
Milking stools
Insulator pins
Plates and bowls
Artificial limbs
Sled runners
Iceboxes and refrigerators
Gutters

Spruce gum was used for chewing gum
Sassafras tea
Canoes (birch bark canoes had a wooden frame, also wood-canvas canoes)
Automobile tires (used rayon as reinforcing cord)
Shoe pegs (used to fasten shoe soles to the leather uppers)
Dragon’s blood (from fruit of Asian tree) was used in the manufacture of varnishes and lacquers
Dyestuffs (prior to invention of synthetic dyes)
Canada balsam (tree resin) was used to make microscope slides
Quinine came from the bark of the Cinchona tree
Willow bark provided the original source of aspirin-like compounds
Cork used to be the gasket material lining bottle caps
Rubber used to be used to waterproof raincoats
Molded wooden figurines
Typewriter keys (Celluloid)
Red elm inner bark used to be steeped in water to obtain a remedy for sore throats
Hickory was a part of the Wright brothers’ airplanes
Cylinder phonograph records used to be made from Carnauba wax because it is so hard
Tool handles were made from celluloid as recently as World War II. Piano keys were once made from celluloid as an ivory substitute.

**Things Made from Wood that Formerly Were Made from Something Else**

Paper (used to be made from cotton and linen rags)

**Non-Wood/Non-Paper Products**

Shade!

Nuts
- Cola nuts (Coca-Cola etc.)
- Almonds
- Brazil nuts
- Cashews
- Hazelnuts
- Pistachios
- Walnuts
- Pecans
- Hickory nuts
- Chestnuts
- Pine nuts
- Acorns (decorative uses)

Fruits
- Apples
- Avocados
- Coffee
- Peaches
- Oranges
- Lemons
- Limes
- Bananas
- Pears
- Tangerines
- Coconuts
- Dates
- Grapefruit
- Olives and olive oil
- Plums
- Figs
- Fruit juices
- Carob (a cocoa substitute)
- Cider
- Mistletoe (grows as a symbiant on trees)
- Eucalyptus leaves (floral component, also used for fragrance)
- Carnauba wax (from the leaves of the carnauba palm tree grown in Brazil). Used in:
  - Shoe polish
  - Lipsticks
  - Automotive waxes
  - Furniture polish
  - Applied to produce to make it look appealing in supermarkets.

Products from Wood Sap or Extractives:
- Citrus cleaners (oils)
- Lime scent for aftershave
- Sandalwood fragrance for soap and incense
- Maple syrup
- Rubber
- Rubber products
  - Golf balls
  - Tires
Marine and underwater cable insulation
Adhesives
Combs (hard rubber)
Latex gloves and other barrier-type medical products
Rubber belts
Rubber hoses
Gaskets
Shoe soles
Rubber boots
Rubber balls
Turpentine (most of it comes from wood pulping operations)
Rosin
Pine needle extract (an anti-inflammatory)
Rosewood oil (various medicinal uses)
Taxol (anti-cancer drug)
Frankincense
Myrrh
Tea tree oil (antibiotic and antifungal oil)
Benzoin gum
Gum Arabic
Corks (the primary use for cork: ~17 billion sold each year, compared to 400 million for plastic stoppers (2001 statistics))
Other cork products
   Coasters
   Flooring
   Dartboards
   Wall and ceiling tiles
   Sanding blocks
   Corkboards
Expansion joint filler
Insulation corkboard
Fishing buoys and floats
Cork washers
Hot pads
Musical instrument parts (e.g., stoppers for organ pipes)
Laboratory rings for glassware
Bathmats (made of granulated cork)
“Peas” for whistles
Cricket balls
Corks for pop guns
Foosball (table football) balls
Hockey balls
Baseballs (centers)
Facings for some ping pong paddles
Cork shoe soles
Roofing

Products that Used to be Made From Cork
(Some of these may still be made as specialty products.)

Bottle cap gaskets for carbonated beverages
Life jackets (until 1857 – now mostly polystyrene)
Life preservers (polystyrene now)
Fishing rod handles (now mostly Hypalon®)
Sheet insulation (e.g., for refrigerators)
Rocket nosecones (a cork-ceramic composite)

**Paper and Fluff Products**

- Computer and copy paper
- Books and book paper
- Book marks
- Envelopes
- Checkbooks
- Cook books
- Recipe cards
- Bulk mail
- Bills
- Toll booth tickets
- Instruction manuals
- Packaging cards for blister-packed products
- Calendars
- Diplomas and Certificates
- Report cards
- Lamp shades
- Book covers
- Posters
- Identification badges
- Newsletters
- Salt boxes
- Moving boxes
- Shipping boxes
- Sugar and flour bags
- Can labels (except for tomato cans for some unknown reason!)
- Bottle and jar labels
- Cereal boxes
- Shelf labels in grocery stores
- Adhesive-backed labels
- Receipts
- Menus
- Poster board

- Baking cups
- Coupons
- US currency is *not* made from wood pulp – it’s made from cotton and flax fibers
- Coffee filters
- Facial and bath tissue
- *Packaging* for facial and bath tissue (the boxes and wrappers)
- Napkins
- Sanitary and surgical absorbent products
- Disposable diapers
- Kites
- Movie tickets
- Classroom handouts and tests
- Catalogs
- Game boards
- Masking tape
- Crepe paper
- Birthday and Christmas wrapping paper
- Stickers
- Coloring books
- Flashlight battery labels
- Paper dolls
- Baseball cards
- Tracing paper
- Election ballots
- Milk cartons
- Egg cartons
- Postage stamps
- Paper towels
- Playing cards
- Building insulation, loose and in panel form
- Grocery bags
- Cat litter (from recycled paper, non-clay types)
Paper plates
Paper cups
File folders
Post-It Notes® (Made in Kentucky!)
CD labels
DVD and VCR tape packaging
Magazines
Magazine card inserts
Postcards
Maps
Fast food packaging
Frozen food boxes
Construction paper
Kraft paper (wrapping paper)
Multi-wall sacks for birdseed and pet foods
Price tags
Sandpaper
Seed starter blocks
Loudspeaker cones
Origami paper
Tea bags are usually not made from wood pulp – they are mostly made from abaca, also known as Manila hemp
Tea bag tags and wrappers are made of wood-based paper
Cigarette papers and vacuum cleaner bags are made from hemp or flax fiber!
Bible paper
Wallpaper
Tubes for bathroom tissue, paper towels, wrapping paper
Artificial snow (paper snow)
Wax paper
Confetti
Admixture with sprayed-on grass seed

Food additive (non-digestible cellulose dietary fiber). Used in diet drink products, food texture enhancer. (In the late 1970s, a “diet bread” listed cellulose fiber from wood as one of its ingredients.)

Butcher paper
Musical instrument cases (“cardboard” type, as for guitars)
Phone books
Photographs
Newspapers
Tickets
Business cards
Roofing felt
Ice cream containers
Pizza boxes
Disposable tablecloths
Retail software boxes
Corrugated cartons
Ceiling tiles
Absorbent socks for oil spills
Absorbent liners for supermarket meat trays
Stationery and notebook paper
NCR (no carbon required) paper
Tax forms
Marriage licenses, birth and death certificates and other civil documents
Racing forms
Programs for sporting events
Fiber filler for plastics:

Tool handles
Football helmets
Buttons
Eyeglass frames
Ball point pens
Electronics cases (televisions, calculators, computers)
Loudspeakers
Automobile parts (e.g., door panels)
Packaging
Trays
Thermoformed products like gun cases
Marine/Trailer flooring
Wood-plastic composite lumber:
  Garden benches
  Picnic tables
  Planters
  Fencing
  Decking

Signs
Parking stops for parking lots
Spare tire covers
Melamine paper-faced board

Bumper stickers (now made out of vinyl except for the peel-off paper on the backside)
Computer punch cards (now also entirely electronic!)

**Products Made from Wood-Derived Chemicals**
(Processed products, not oils or latex, etc. Some cellulose products may derive from other cellulose sources such as cotton linters, depending on economics and manufacturer.)

Textiles (Rayon, Tencel™)
Cellulose acetate (wrapping and photographic film)
Cellulose nitrate (former composition of movie film, except that it was very flammable and unstable with age)
Celluloid (rarely produced nowadays, except for guitar picks and pick guards, fountain pens, accordion cases and ping-pong balls. Formerly used for costume jewelry, clocks, etc.)
Cellulose acetate and cellulose nitrate are both used in adhesives and lacquers.
CMC (carboxymethyl cellulose) is used as a food thickener and texturizer for products such as ketchup and ice cream (depending on manufacturer);

**Things that Formerly Were Made from Wood-based Paper**

Oil cans
Candy bar wrappers
Grocery bags (some still are made from paper!)
Library catalog cards (supplanted by electronic computer files)
Drinking straws
Shotgun cartridges
Carbon paper (mostly obsolete product)
also used to stabilize oil well drilling muds.

Cellulose-based pill fillers

Cellophane (wrapping material, also used for Easter basket grass!)

Toothpaste additives (e.g., cellulose gum)

“Plastic” twine

Hardhats and sports helmets

Cigarette filters (cellulose acetate fibers)

Cellulose industrial filters

Sausage casings

Cellulose sponges

Artificial vanilla flavoring (by-product of Kraft process for pulping wood)

Cleaning compounds

Chewing gum is a combination of natural rubber (especially chicle, from the Sapodilla trees from Central and South America) with some synthetic latexes to extend the natural latex supply. Other wood chemicals such as rosin esters and terpenes are also common ingredients.

Additive to unfired ceramics to give them strength

Fungicides

Hair spray

Cosmetics – including thickeners such as methyl cellulose and methyl hydroxy ethyl cellulose

Methanol (used in colognes, solvents)

Torula yeast (a food supplement) is grown on wood sugars and wood mineral nutrients leftover from pulping operations. This is used in baby foods, imitation bacon, cereals, baked goods, etc.

Tannin (used in natural tanning process, less common than formerly)

Carnauba wax is commonly used as a pill coating.

Liquid Smoke®

Linoleum (oxidized linseed oil mixed with pine resin and wood flour)

Acetic acid (produced by distillation of wood)

Biofuels from wood distillation

Liquid nail polish

Shaving cream (tea tree oil, camphor, etc., varies by manufacturer)

Suntan lotion (e.g., almond oil (emollient); clove bud oil (scent); cocoa butter (emollient))

Ink (incorporate tall oil rosins from hard pines)

Tall oil fatty acids and derivatives are used as:

- PVC stabilizers
- Synthetic lubricants
- Polyamides
- Corrosion inhibitors
- Soaps
- Detergents
- Emulsifiers
- Rubber processing additives
- Asphalt additives
- Concrete additives
- Epoxy additives
Plasticizers
Metalworking chemicals
Oil field chemicals
Rosin-based adhesive products

Also see the list of products from Extractives, above

To grow a pound of wood, a tree uses 1.47 pounds of carbon dioxide and gives off 1.07 pounds of oxygen.

The following information is from the website of the Temperate Forest Foundation {http://www.forestinfo.org/Discover/facts.htm#Recycling}:

• In 1995, some 1.6 billion seedlings were planted in the U.S. - more than 5 new trees a year for every American. Millions of additional trees were naturally reforested.

• Private owners account for 59% of the nation's 490 million acres of commercial forestland; government owns 27%; and the forest industry owns 14%.

• Each person in the United States consumes approximately 675 pounds of paper a year.

• On the average, everyone uses the equivalent of a tree, 18 inches in diameter - 100 foot tall, every year. That's 80 cubic feet!

The United States is a wood-rich country; people in the United States (on average) use about three times as much wood each day as people in the rest of the world. One of the most common uses for wood around the world is for fuel!

And finally, a surprise for (almost) all Kentuckians:

3M Corporation’s popular product, Post-It Notes, are manufactured exclusively in Cynthiana (Harrison County), Kentucky!