

Test Your Knowledge of Forest & Paper Facts

The Nation's Forestlands

Question 1: Who owns the largest amount of forestland?

- a) US Forest Service
- b) state and local forest agencies
- c) forest and paper industry
- d) private, non-industrial landowners

Question 2: What percentage of the total amount of forestland that existed when Columbus discovered America 500 years ago still exists today?

- a) 66 percent
- b) 32 percent
- c) 53 percent
- d) 25 percent

Question 3: There are more trees in the United States today than there were:

- a) 20 years ago
- b) 10 years ago
- c) 70 years ago
- d) 43 years ago

Question 4: Timber growth in the United States exceeds harvest and losses due to insects and disease by:

- a) 12 percent
- b) 23 percent
- c) 30 percent
- d) 33 percent

Question 5: Which country has the most productive forestlands in the world?

- a) Canada
- b) Russia
- c) United States
- d) China

Uses of Wood

Question 6: Coals were unearthed in a case near Beijing, China, that indicate wood was used for either heating or cooking, or both, how many years ago?

- a) 1725 years ago
- b) 4000 years ago
- c) 3150 years ago
- d) 2300 years ago

Question 7: Wood products are less energy intensive to manufacture than which of the following materials?

- a) steel
- b) aluminum
- c) concrete
- d) all of the above

Wood and Paper Products

Question 8: What percentage of a tree can be used in the manufacturing process for wood and paper products?

- a) 76 percent
- b) 63 percent
- c) 52 percent
- d) almost 100 percent

Question 9: Which synthetic fabric is produced from wood pulp.

- a) nylon
- b) acetate
- c) rayon
- d) orlon

Question 10: Which of the following contain a forest product?

- a) eyeglass frames
- b) ice cream
- c) wallpaper paste
- d) all of the above

Sustaining Forest and Wildlife

Question 11: The forest and paper industry's trade association, the American Forest & Paper Association (AF&PA), developed the *Sustainable Forestry Initiative* (SFI) program. This program promotes the protection of wildlife, plants, soil, air and water quality along with the perpetual growing and harvesting of trees. What happens when members do not comply with the SFI program guidelines?

- a) nothing
- b) their membership is terminated
- c) they are given 24 months to bring their practices into compliance
- d) the response depends on the problem

Question 12: In 1997, under the SFI program, member companies reforested 1.3 million acres by planting, seeding, & natural regeneration bringing the three year total for reforested company lands to:

- a) 3.3 million
- b) 2.7 million
- c) 3.7 million
- d) 3.0 million

Question 13: Every year, an Independent Expert Review Panel reviews and reports on the progress of the SFI program Which of the following organizations are represented on this panel?

- a) American Forests
- b) The Conservation Fund
- c) US Environmental Protection Agency
- d) all of the above

Question 14: During the past 25 years, the population of wild turkeys in the United States has:

- a) increased
- b) decreased
- c) remained the same

Bonus Questions

Question 15: What famous monarch's throne was made of cedarwood veneer overlaid with ebony and ivory?

- a) Queen Victoria
- b) King Tut
- c) King George III
- d) the Shah of Iran

Question 16: In the 18th century, the French scientist Rene de Reaumur got the idea to use wood fiber to make paper. He came to this conclusion by watching:

- a) a washerwoman beat her clothes against rocks
- b) Chinese mix mulberry bark, rags, and hemp into a paper-like product
- c) a wasp building a nest from a twig it mixed with its bodily fluids to create pulp
- d) all of the above

Question 17: Rubber - a tree product - got its name from the 18th century scientist Joseph Priestly who observed it being use to:

- a) rub scuff marks from the floor or a mansion foyer
- b) rub away pencil marks
- c) rub a shine on the brass door handles of a carriage
- d) rub/remove a seal from a letter

Question 18: In an interview with actress Katharine Hepburn, Barbara Walters asked Ms. Hepburn what kind of tree she would most like to be. What was Hepburn's answer?

- a) an oak tree
- b) a weeping willow
- c) a walnut tree
- d) a palm tree

Answers

The Nation's Forestlands

Question 1: Who owns the largest amount of forestland?

d) Almost 60 percent of the commercial forestland in this country is owned by non-industrial private landowners. Federal, state, and local governments own 27 percent of the commercial forestlands and the forest and paper industry owns 14 percent.

Question 2: What percentage of the total amount of forestland that existed when Columbus discovered America 500 years ago still exists today?

a) Roughly 731 million acres of the country is forested today. That's about two-thirds (66 %) of the forestland that existed when Columbus discovered America.

Question 3: There are more trees in the United States today than there were:

c) We have more trees today than we had 70 years ago.

Question 4: Timber growth in the United States exceeds harvest and losses due to insects and disease by:

d) Every year the US forest and paper industry plants five trees for every American. Timber growth exceeds harvest and losses from insects and disease by 33 percent.

Question 5: Which country has the most productive forestlands in the world?

c) Acre for acre, U.S. forestlands are the most productive in the world because forest and paper companies employ state-of-

the-art, scientifically sound forest management practices that continually increase production. U.S. forest and paper companies are showing the world a higher standard. On a per acre basis, net annual growth in the United States is 56 cubic feet compared with 27 cubic feet in Canada and just 24 cubic feet in Russia.

Uses of Wood

Question 6: Coals were unearthed in a case near Beijing, China, that indicate wood was used for either heating or cooking, or both, how many years ago?

b) The use of wood for fire is one of the first and most significant contributions of this resource to the development of society. In a case near Beijing, China, coals and human remains have been unearthed that are about 4000 years old, indicating that wood was used then for either heating or cooking, or both.

Question 7: Wood products are less energy intensive to manufacture than which of the following materials?

d) Wood is less energy intensive than steel, aluminum, concrete and other competing materials. Most forest products are made with small requirements for fossil fuels as compared with substitutes. It takes about 0.2 tons of coal (energy equivalent) to process a ton of wood. A ton of aluminum requires about 10 tons of coal. Steel requires 2 tons.

Wood and Paper Products

Question 8: What percentage of a tree can be used in the manufacturing process for wood and paper products?

d) With today's technology, almost 100 percent of a tree can be used in the manufacturing process for wood and paper products. The industry has designed processes that use tree bark for steam and electricity, sawdust and wood chips for manufacturing pulp used to make paper, and wood shavings to make particleboard and composite panels for construction.

Question 9: Which synthetic fabric is produced from wood pulp.

c) Rayon - a fabric that is comfortable year round is made from trees. Many cosmetic products are also made from wood products.

Question 10: Which of the following contain a forest product?

d) Cellulose fibers are converted and used in many products including: eyeglass frames, ice cream, salad dressing, wallpaper paste, plastic film, ping-pong balls, shampoo, and steering wheels.

Sustaining Forest and Wildlife

Question 11: The forest and paper industry's trade association, the American Forest & Paper Association (AF&PA), developed the *Sustainable Forestry Initiative* (SFI) program. This program promotes the protection of wildlife, plants, soil, air and water quality along with the perpetual growing and harvesting of trees. What happens when members do not comply with the SFI program guidelines?

b) AF&PA requires all member companies to comply with the SFI program. During 1996, the association terminated 15 memberships for failure to compile.

Question 12: In 1997, under the SFI program, member companies reforested 1.3 million acres by planting, seeding, & natural regeneration bringing the three year total for reforested company lands to:

c) Reforestation following harvest is the cornerstone of forest sustainability. Under the SFI program, AF & PA members are committed to reforest harvested areas promptly to ensure forest productivity and the conservation of other forest resources. In three years, the total for reforested company lands is 3.7 million acres.

Question 13: Every year, an Independent Expert Review Panel reviews and reports on the progress of the SFI program Which of the following organizations are represented on this panel?

d) A group of independent experts volunteer their time to validate the progress of the SFI program by reviewing the overall performance of AF & PA member companies. This group is composed of representatives from conservation groups, universities, professional forestry societies and federal and state agencies, including American Forests, the Conservation Fund, and the EPA.

Question 14: During the past 25 years, the population of wild turkeys in the United States has:

a) The total wild turkey population in the United States increased from 1.3 million in 1973 to 4.2 million in 1996. The forest and paper industry has played an important role in this progress by working closely with The National Wild Turkey Federation, founded in 1973 to promote conservation efforts to restore wild turkey populations. More than 40 million acres of industry lands are enrolled in wild turkey partnership agreements with the federation to ensure the continued enhancement of wild turkey habitat on industry lands.

Bonus Questions

Question 15: What famous monarch's throne was made of cedarwood veneer overlaid with ebony and ivory?

b) Veneering - applying thin strips of wood on decorative objects - is an ancient Egyptian craft. The throne from the tomb of Tutankhamen (King Tut) is made of cedarwood veneer overlaid with ebony and ivory.

Question 16: In the 18th century, the French scientist Rene de Reaumur got the idea to use wood fiber to make paper. He came to this conclusion by watching:

c) In ancient times, people wrote on animal skins, bones, and clay tablets. Egyptians wrote on a woven mat of reeds called papyrus, which is where the word paper comes from. Around 2,000 years ago, Chinese first made paper as we know it from a mixture of mulberry bark, rags, and hemp. It was not until the 18th century that wood fiber was recognized as a good source of paper. The French scientist, Rene de Reaumur, got the idea from observing a wasp building a nest

from a twig it mixed with its bodily fluids to create pulp.

Question 17: Rubber - a tree product - got its name from the 18th century scientist Joseph Priestly who observed it being use to:

b) Rubber got its name from Joseph Priestly when he observed that it rubbed out pencil marks.

Question 18: In an interview with actress Katharine Hepburn, Barbara Walters asked Ms. Hepburn what kind of tree she would most like to be. What was Hepburn's answer?

a) Ms. Hepburn said she would most like to be an oak tree.

Scoring

Match your total test score to the following grades:

16 or more correct answers - A natural born wood scientist

12 to 15 correct answers - Trees and wildlife are your friends

8 to 11 correct answers - Don't stray far from the beaten path

7 or fewer correct answers - A tree is that tall leafy thing growing out of the ground