

PRE-SITE/POST-SITE TEST



Pre- Site Score _____

Post-Site Score _____

Name _____

Write T for True or F for False

- _____ 1. Air quality, fire management, and education are not important issues in the Park.
- _____ 2. The Balsam Woolly Adelgid is native to the Great Smoky Mountains ecosystems.
- _____ 3. The Spruce-Fir forest community is found only in the higher elevations (above 4,500 feet) of the Great Smoky Mountains National Park.

Circle the letter of the correct answer.

4. Acid in the air from the burning of fossil fuels by power plants and industries produces:
- sulfur dioxide and nitrogen oxides
 - oxygen and nitrogen oxides
 - lead and mercury
5. Industries, government agencies, schools and individuals can work together to
- reduce air pollution
 - help research and solve park problems
 - stop the destruction of park resources (like carving and writing on the cabins and trees of the park or removal of wildflowers and other plants)
 - all of the above
6. Information shown on a graph is _____ and is useful in _____.
- exploring maps/problem solving
 - making assignments/defining words
 - data collected/organizing information
7. It is illegal and potentially harmful to do which of the following in the national park?
- feed bears and other wildlife
 - camp and hike in the backcountry
 - take a nap in the Spruce-Fir forest on top of the mountains
8. Air pollutants are carried to the local forests by
- rivers and streams
 - animals and people
 - rains, clouds, and snow
9. The Balsam Woolly Adelgid feeds on the tree's _____ and injects a _____.
- needles/small amount of water
 - bark/nutrient
 - sap/toxin
10. While hiking you should always
- walk along off the trails so not to damage the wilderness
 - follow the stream especially while walking at night
 - hike with a buddy and let someone know where you are going and when you will return





PRE-SITE/POST-SITE TEST (CONTINUED)

11. An existing threat to Great Smoky Mountains National Park is
 - a. not enough rainfall
 - b. no visitors
 - c. air quality

12. Air pollution causes
 - a. poor visibility
 - b. threats to health of plants and animals
 - c. both of the above are correct

13. An adelgid population consists of wingless females that spread from tree to tree by
 - a. jumping off the backs of tourists
 - b. moving water and rain
 - c. wind

14. How are Park Resource Managers slowing the destruction of the Fraser fir by the adelgid?
 - a. spraying a soap mixture on the tree trunk is with first hoses
 - b. using a mild poison at the base of the trees
 - c. spraying the trees with chemicals from airplanes and helicopters

15. Air pollution that effects the Smoky Mountains comes from
 - a. cities surrounding the area and automobile traffic
 - b. cities far away such as Chicago, IL
 - c. all of the above

16. An example of a good chain would be
 - a. sun-soil-plant-insect-salamander-owl-human
 - b. sun-tree-insect-spider-salamander-shrew-owl-soil
 - c. soil-plant-insect-bird-tree-flower-insect-plant-soil



PRE-SITE/POST-SITE TEST

TEACHER ANSWER SHEET



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