

Intermediate Science 7
Unit 1: Interactions In An Ecosystem
STSE: The Two Inch Forest



Student Name _____

PART A: MULTIPLE CHOICE

Instructions: Shade the letter of the correct answer on the computer scorable answer sheet provided

1. What can you do with wood?

- I Burn it
 - II Bend it
 - III Cut it,
 - IV Carve it,
 - V Paint it
-
- (A) I and II
 - (B) I, II and III
 - (C) I, II, III and IV
 - (D) I, II, III, IV and V



2. Wood is a renewable resource?

- (A) True
- (B) False

3. How many communities in Newfoundland and Labrador depend on the forest?

- (A) None
- (B) 20
- (C) 80
- (D) More than 80

4. How much money does the forest industry generate for Newfoundland and Labrador ?

- (A) 2 million
- (B) 8 million
- (C) 80 million
- (D) 800 million

5. What is the wood in this province used to manufacture?

- I Lumber
 - II Newsprint
 - III Moldings
 - IV Furniture and cupboards
 - V Flooring
-
- (A) I and II
 - (B) I, II and III
 - (C) I, II, III and IV
 - (D) I, II, III, IV and V

6. Which biome does our forest belong to?
- (A) Arctic
 - (B) Boreal
 - (C) Grasslands
 - (D) Ocean
7. What is the most common type of tree in Newfoundland and Labrador?
- (A) Birch
 - (B) Black Spruce
 - (C) Fir
 - (D) Mountain Ash
8. What is the most common type of tree in Labrador?
- (A) Birch
 - (B) Black Spruce
 - (C) Fir
 - (D) Mountain Ash
9. What are some interesting feature(s) of a Black Spruce?
- I It can grow in wet and dry climates
 - II Very tolerant of unfavourable soil types
 - III Its cones pop open when heated
- (A) I
 - (B) I and II
 - (C) II and III
 - (D) I, II and III
10. According to the article, Balsam Fir can grow up to 4m in 70 years?
- (A) True
 - (B) False
11. Which of the following is a deciduous tree?
- (A) Balsam Fir
 - (B) Birch
 - (C) Black Spruce
 - (D) None are correct
12. Deciduous trees are commonly referred to as hardwood trees:
- (A) True
 - (B) False
13. What must be done first before logging can begin in an ecosystem?
- (A) Ecosystem Inventory
 - (B) Hire employees
 - (C) Road construction
 - (D) Sharpen saws

14. What is a buffer zone?
- (A) A place close to mountains where no cutting can take place
 - (B) A place close to water resources where no cutting can take place
 - (C) A place close to parks where no cutting can take place
 - (D) A place close to a highway where no cutting can take place
15. According to the article, why are buffer zones important?
- (A) Protect water resources from erosion
 - (B) Animals can live there
 - (C) It protects the trees
 - (D) People can camp there
16. What specialized machine is used to haul logs once they are harvested?
- (A) Cranes
 - (B) Forklift
 - (C) Skidders
 - (D) Trucks
17. What was one of the main concerns about harvesting?
- (A) The chance of a forest fire
 - (B) Cutting too many trees
 - (C) Cutting not enough trees
 - (D) Damage done by tires
18. What occurs in silviculture?
- I Remove certain types of trees (older or diseased,...etc)
 - II Replanting trees
 - III Clear cutting the entire area
- (A) I
 - (B) I and II
 - (C) II and III
 - (D) I, II and III
19. Which of the following describes the practice of removing the forest with no intention of regenerating the trees on that area?
- (A) Buffer Zone
 - (B) Deforestation
 - (C) Clear Cutting
 - (D) Silviculture
20. What does clear cutting mimic?
- I. Forest Fire
 - II. Earthquake
 - III. Insect Infestation
- (A) I
 - (B) I and II
 - (C) I and III
 - (D) I, II and III

21. Clear cutting is the same as deforestation?

- (A) True
- (B) False

PART B: MATCHING

Fill in the blanks on the left with the terms on the right. Please, place your answers on the scantron.

22. _____ Buffer Zone	A. A region closed to a water resource where trees can not be harvest.
23. _____ Clear Cutting	B. Practice of removing the forest with the intention of regenerating the trees.
24. _____ Deforestation	C. Is specialized work occurs during harvesting.
25. _____ Silviculture	D. Practice of removing the forest with no intention of regenerating the trees.

PART II: WRITTEN RESPONSE

1. How is a Black Spruce different from a Balsam Fir?

2. Why does Black Spruce dominate in previously burned areas?

3. What information is provided in an ecosystem inventory

4. (A) What is a buffer zone

(B) What is the purpose of a buffer zone

5. (A) What is clear cutting?

(B) How is clear cutting different than deforestation?

(C) What are the advantages/disadvantages of clear cutting a section of forest?

ADVANTAGES	DISADVANTAGES