

# Activity 2 Handout

## Growing Forest



### Part 1: The Growing Forest Ecosystem

**1** What are the main characteristics of a growing/middle stage forest?

**2** How long does the middle stage of a forest's life last?

**3** What process allows plants like trees to take in carbon dioxide and release oxygen?

**4** Why might forests capture the most carbon at this stage?

**5** Give an example of an animal found in a growing forest habitat. Why are they drawn there?

**6** What happens to the competition between coniferous and deciduous trees at this stage? Do your own research to learn about conifer adaptations and list some below.

**7** What happens to the plants on the forest floor during the middle stage of a forest? Why?

# Activity 2 Handout Continued

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## Part 2: Impacts of disturbances

1

How can forest disturbances, like harvesting and fire, impact water quality and quantity? How is this managed?

2

Why is it important to plan for a mix of different aged forests in harvest planning?

3

What do grizzly bears need from their habitat in order to be successful? How does this compare to the needs of caribou?

4

Does sustainable harvesting have a negative or positive impact on the population of grizzly bears? Why? Keep this information for lesson 3!

5

Science and research, like the work of wildlife biologist Gord, play an important role in forest management decisions. Visit [workwild.ca](http://workwild.ca) and look for other science careers in forestry. Give an example of one, and how it informs forest management decisions.

# Activity 2 Handout Continued

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## Part 3: A piece of land activity

Congratulations on your new role as a land management planner! You have been put in charge of an area of land, and you are responsible for deciding how it will be used. Please follow the link below and complete the Inside Education: Piece of the Land activity, remember to use what you have learned so far to inform your choices!

[A Piece of the Land Activity \(PDF\)](#)