

Terrestrial Biomes of Canada

Date _____

Use p. 57 of your textbook to identify and colour Canada's terrestrial biomes.

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Biotic and Abiotic Characteristics of Canada's Terrestrial Biomes

Task: Use the information from p. 57 of your textbook to write each of the following biotic and abiotic characteristics in the correct biome box.

(Hint: Some characteristics may be used in more than one biome – identified in parentheses)

Abiotic Characteristics

- Windy
- Short growing season
- Rich, fertile soil
- Warmer temperatures (2)
- Precipitation: up to 100 cm/year
- Permafrost layer beneath soil
- Heavy precipitation
- Changeable weather
- Precipitation: 40 cm/year or more
- Longer growing season (2)
- Cool summers
- Poor soil quality
- Precipitation: 25 to 75 cm/year
- Temperatures vary
- No permafrost
- Precipitation: 0 to 25 cm/year
- Fertile soil
- Low temperatures

Biotic Characteristics

- Ferns
- Snakes
- Caribou
- Black bears (3)
- Bison
- Mosses
- Cougars
- Tree and ground squirrels
- Low diversity
- Snowshoe hares
- Large coniferous trees
- Coyotes
- Weasels
- Grizzly bears
- Arctic foxes
- Coniferous trees
- Shrews and mice
- Elks
- Grey wolves
- Hawks
- Deciduous trees

Biotic and Abiotic Characteristics of Canada’s Terrestrial Biomes

Correctly match each biotic and abiotic characteristic from the list provided to each biome.

TUNDRA	
<u>Abiotic:</u>	<u>Biotic:</u>

BOREAL FOREST	
<u>Abiotic:</u>	<u>Biotic:</u>

MOUNTAIN FOREST	
<u>Abiotic:</u>	<u>Biotic:</u>

GRASSLAND	
<u>Abiotic:</u>	<u>Biotic:</u>

TEMPERATE DECIDUOUS FOREST	
<u>Abiotic:</u>	<u>Biotic:</u>

1. Name the biome that is most diverse.
2. Name the biome that is least diverse.
3. Order Canada’s terrestrial biomes from wettest (1) to driest (5).

_____ Tundra

_____ Boreal forest

_____ Mountain forest

_____ Decid. forest

_____ Grassland
4. Order Canada’s terrestrial biomes from warmest (1) to coldest (5).

_____ Tundra

_____ Boreal forest

_____ Mountain forest

_____ Decid. forest

_____ Grassland

Check Your Understanding: Canada’s Terrestrial Biomes

Read p. 56 – 59 of your textbook and answers the following questions.

1. What is the most important factory that determines location and makeup of a terrestrial biome?

2. Think about what you know of deserts.

a) What characteristic does the Tundra biome share with desert biomes?

b) What characteristics make these two biomes different?

3. What is the largest biome in Canada?

4. Describe the characteristic that allows conifer trees to withstand harsh winters.

5. What is the benefit to being cone-shaped for conifers?

6. What conditions are ideal for fires in the grassland biome?

7. Why is fire important to the sustainability of the grassland biome?

8. Is the boreal or deciduous forest more diverse? Explain why.
