


# Grade 7 Science

## Unit 2: Ecosystems



### Weather vs Climate

What's the difference?




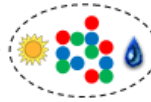
Sort the words below as either relating to weather or climate.

Cloudy	Generally quite dry.
15°C	Average of 30°C
Raining	Gets a lot of snow.

# Review of Definitions

Biotic?

Abiotic?

Individual	A single living thing.	
Population	A group of organisms of the same species in an ecosystem.	
Community	A group of different populations interacting in an ecosystem.	
Ecosystem	All the organisms living in a particular area, as well as all the nonliving, physical components of the environment with which they interact.	

What is the next level?

**Biome** A large area with characteristic climate, soil, plants and animals. Has "fuzzy" borders (biomes overlap around borders).  
6 different types of biome exist in North America (4 in Canada).

## Biomes

Today we will be researching the biomes of North America. However, we will not be spending a great deal of time on this.

On the next slide are a series of instructions that will guide you to preparing a presentation on one of the biomes of North America. Each table group will get a couple books, a laptop or two, and **only 20 minutes to prepare** a presentation for the class.

These **presentations will happen this period**, so you will need to stay focused and work collaboratively. There is no time to goof around.

# Biomes

## In Your Table Groups:

- You will be assigned one of the biomes in North America.
- You need to research, specific information for your biome (on next slide).
- You are to use the books provided and the internet as research tools.
- You need to prepare a 60~90 second group oral presentation, to be accompanied by a digital summary of information, to teach the rest of the class your information.
- I have shared a presentation with you, the slides are titled with the names of the biomes. Fill in the template with your information - stick to the specific information that is required.

## Individually:

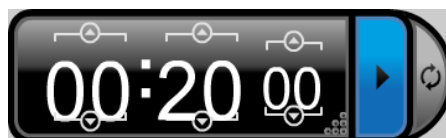
- You need to listen to all of the presentations and fill in your worksheet.
- For homework you need to find the biomes map on my webpage and colour your map of North America (the map is also included on the last slide of the presentation file.)

# Biomes

## Information to Include:

- General Appearance
  - From a low flying airplane, what would it look like
- Types of Organisms
  - Provide 3 examples of animals and 3 examples of plants
- Climate
  - Include information about the average temperatures in both summer and winter as well as information about precipitation
- Location
  - A general location in the world, not specific countries/continents
- Interesting Facts
  - Provide 2 facts or pieces of information not included above

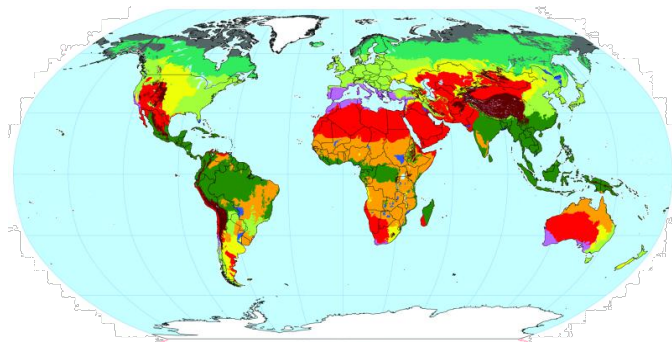
Presentations will start in:



# Biomes

We will now present, in the order on the worksheet.

Your task, as an audience member, is to record the key information as it is provided to you. You do not need to record everything, just the key pieces of information, as indicated on your worksheet.



## For your binder...

Name: \_\_\_\_\_ Date: \_\_\_\_\_

**Weather vs. Climate**

**Weather:** Describes the state of the atmosphere in a particular place for a short period of time. Weather changes constantly.

**Climate:** Describes the average weather (the climate) for a long period of time. Climate does not generally change (over years).

**Biomes**

**Biome:** A region of land with characteristic climate, soil and organisms.

- All biomes have plants and animals that "fit" together.
- The size and number of biomes varies around the world.
- Most biomes have a characteristic climate (hot, cold, etc.).

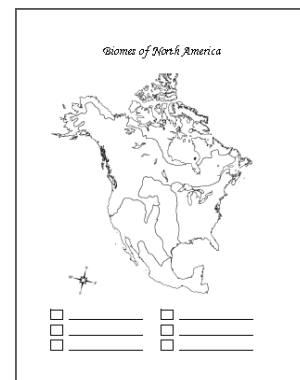
**Features of Biomes**

Biome	Approximate Location	Climate	Characteristics	Animals
Tundra				
Temperate Forest				
Desert				
Grassland				
Mountain				

Use the number of biomes in each region to complete the map.

This needs to have correct info in all 24 squares.

This needs to be fully coloured, with the legend at the bottom complete.



Attachments

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2-7 Biomes Note.pdf