

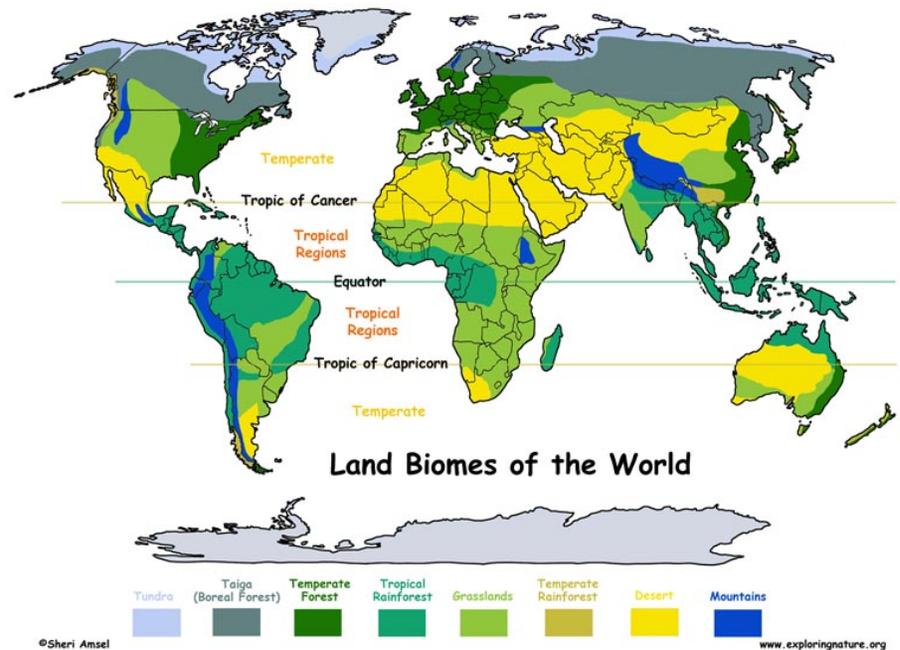
Biomes Project

Exploring the World of Ecosystems

A **biome** is a large ecosystem. There are *approximately 7* major biomes in the world.

The (7) seven land ecosystems are:

1. Tundra
2. Taiga
3. Temperate Deciduous Forest
4. Temperate Rainforest
5. Tropical Rain Forest
6. Desert
7. Grasslands.



An Ecosystem is a community of organisms and its interaction with its environment. Ecosystems are classified according to their **climate conditions**, the most common **plant life**, and the many characteristics found in its **organisms** to adapt to their environment.

Task: Work as a Team to prepare a presentation (Power Point or Prezi) on ALL seven (7) biomes

- **FIVE (5) slides for each Biome = 35 SLIDES plus a few for interesting facts**

You will be using online resources as well as books to gather information about your biome to include on your presentation. Be sure to include the following information specific to your role on the team on your presentation:

- **SLIDE 1** Tell where the biome is or can be **located** (include a picture and map)
- **SLIDE 2** Tell what the **climate and weather** of the biome is (ex. is it rainy, sunny, hot cold, etc) as well as the seasons
- **SLIDE 3** Discuss the different types of **plants** found in the biome (include pictures)
- **SLIDE 4** Discuss the different types of **animals** found in the biome and if they are herbivores/omnivores/carnivores as well as a predator/prey/both (include pictures)
- **SLIDE 5** Include at least one **food web** that incorporates most of the animals and plants you have discussed.



Team Member Roles: Select your role and start researching



Navigator: As the navigator you will be responsible for locating where your biome is found around the world. You may use a globe or a map to show your teammates where your biome might be found. You will also be responsible for **gathering photos of your biome** as well as a detailed **map highlighting the location of the biome** around the world.



Botanist: As the botanist, you will be responsible for **gathering facts about the types of plants** that exist in your biome. You should gather photos to show examples of types of plant life you discover in your ecosystem.



Meteorologist: As the meteorologist, your job will be to determine the **weather conditions** of your biome. You should **discuss the temperature and precipitation** (rain, snow, etc.) of your biome. You should also talk about **seasons** that your biome may experience.



Zoologist: As the zoologist, your job will be to **discuss the animals that live in your biome**. You should have **at least five animals** that can be found in your biome. You should gather photos of these animals. Please make sure you **label the pictures** and tell us if they are prey or predators.

Each Scientist needs to complete their own section, but work together. You should include all of the topics of information that you gathered including location, weather, plants, and animals. You should also have an "Interesting Facts" section in your presentation

Resources:

Use **ONLY** these online resources to gather information for your team's biomes:

Tropical Rainforest Links:

<http://www.blueplanetbiomes.org/rainforest.htm>

<http://mbgnet.net/sets/rforest/index.htm>

<http://www.ucmp.berkeley.edu/glossary/gloss5/biome/forests.html#tropical>

Grassland Links:

<http://www.blueplanetbiomes.org/grasslands.htm>

<http://mbgnet.net/sets/grasslnd/index.htm>

<http://www.ucmp.berkeley.edu/glossary/gloss5/biome/grassland.html>

Tundra Links:

<http://www.blueplanetbiomes.org/tundra.htm>

<http://mbgnet.net/sets/tundra/index.htm>

<http://www.ucmp.berkeley.edu/glossary/gloss5/biome/tundra.html>

Deciduous Forest Links:

<http://www.ucmp.berkeley.edu/glossary/gloss5/biome/forests.html#temperate>

http://www.blueplanetbiomes.org/deciduous_forest.htm

<http://mbgnet.net/sets/temp/index.htm>

Desert Links:

<http://www.blueplanetbiomes.org/desert.htm>

<http://mbgnet.net/sets/desert/index.htm>

<http://www.ucmp.berkeley.edu/glossary/gloss5/biome/deserts.html>

Taiga Links:

<http://mbgnet.net/sets/taiga/index.htm>

<http://www.blueplanetbiomes.org/taiga.htm>

<http://bioexpedition.com/taiga-biome/>

Fact Gathering Worksheet- Navigator

Biome Name



Navigator: As the navigator you will be responsible for locating where your biome is found around the world. You may use a globe or a map to show your teammates where your biome might be found. You will also be responsible for **gathering photos of your biome** as well as a detailed **map highlighting the location of the biome** around the world.

1. Where is your biome located? Identify the continent and countries.

2. Draw a map of the continent and highlight/shade the area of the biome.

Fact Gathering Worksheet - Botanist

Biome Name



Botanist: As the botanist, you will be responsible for **gathering facts about the types of plants** that exist in your biome. You should gather photos to show examples of types of plant life you discover in your ecosystem.

Name of Plant	Growth/Size

Fact Gathering Worksheet - Meteorologist

Biome Name



Meteorologist: As the meteorologist, your job will be to determine the **weather conditions** of your biome. You should **discuss the temperature and precipitation** (rain, snow, etc.) of your biome. You should also talk about **seasons** that your biome may experience.

Hi/Low	Temperature	Precipitation	Seasons

Fact Gathering Worksheet - Zoologist

Biome Name

Zoologist: As the zoologist, your job will be to **discuss the animals that live in your biome.** You should have **at least five animals** that can be found in your biome. You should gather photos of these animals. Please make sure you **label the pictures** and tell us if they are prey or predators.

Animal	Type/Species (mammal, reptile, etc)	Is it a Predator or a Prey?	What does it eat?

