

# World Biomes

On earth, natural environments are organized into broad climatic zones called biomes.

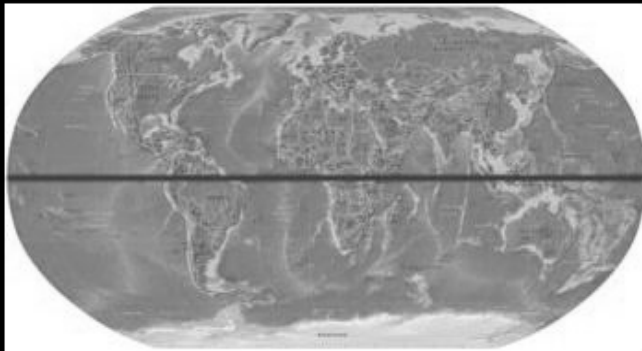
- **Biome**: a large geographical area with distinctive plant and animal groups.
  - Climate and geography determine what type of biome will exist in a particular location.
- **Climate**: the average weather conditions in an area over a period of years. Climate includes temperature, rainfall, and wind velocity.
- **Geography**: the features on the earth's surface; ex: mountains, rivers, and valleys.

# Major Biomes

- Tropical Rain Forests
- Desert
- Savanna
- Temperate Deciduous Forest
- Temperate Grasslands
- Taiga
- Tundra
- Marine
- Fresh Water
- Estuary

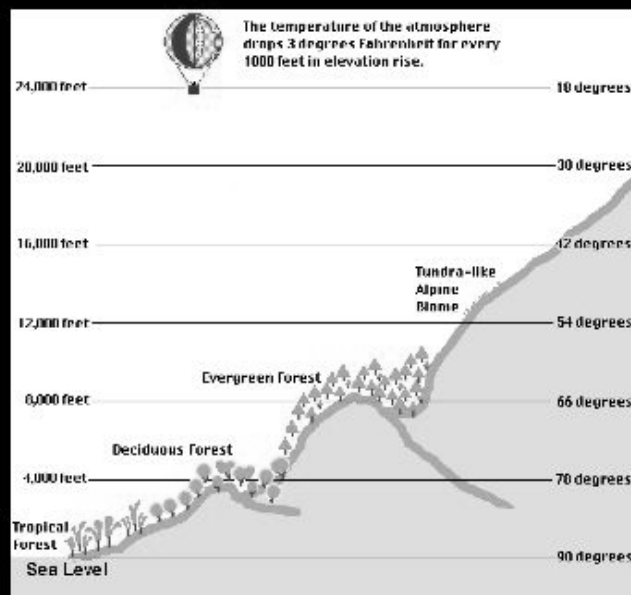
## What factors affect the type of biome that will exist in a region?

1. Latitude: the location of a place on earth, north or south of the equator.

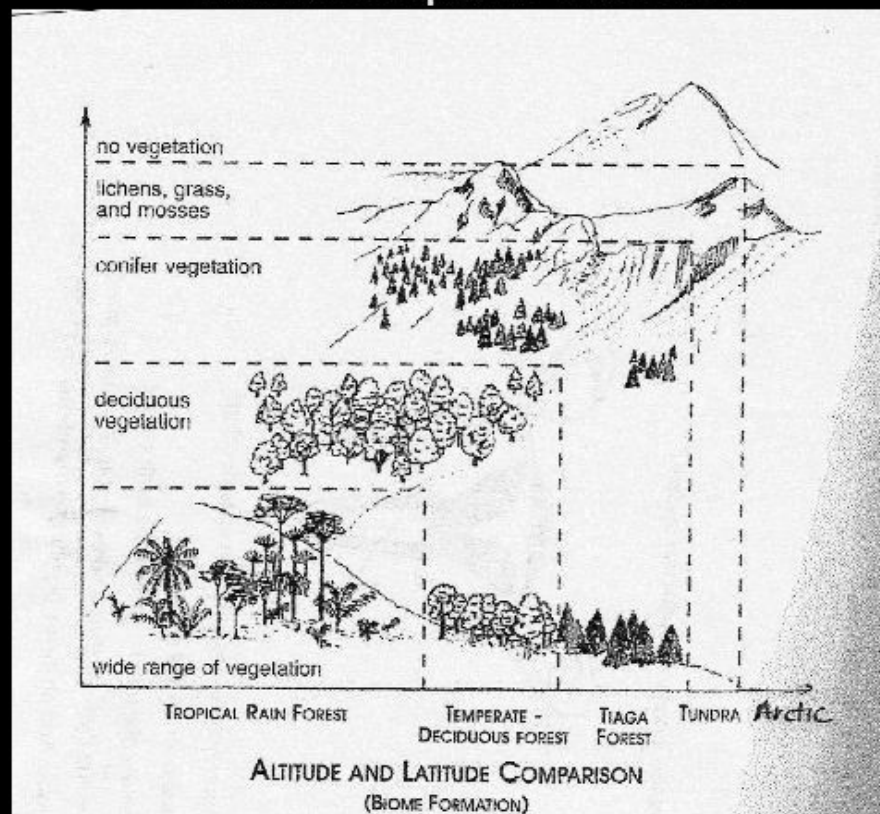


# What factors affect the type of biome that will exist in a region?

2. Altitude: the elevation of a point above sea level.



In general, the amount of rain and average temperature decrease as the altitude and distance from the equator increase.



# What is it like in a.....

## Tundra?

<http://video.google.com/videoplay?docid=6943746572603562531&q=biomes>

How do species that live in an alpine tundra adapt to the severe conditions?

## Prairie or Grassland?

[Prairies and Grasslands: Ecogeeks Episode 2 - Google Video](#)

Why can't trees survive in a prairie?

# Biome-Related Vocabulary



- **Deciduous:** falling off or shed seasonally. Ex: deciduous trees like maple and oak lose their leaves in the fall.
- **Conifer:** a type of tree that keeps its leaves/needles all year round. Ex: pine, spruce, fir.





## Biome-Related Vocabulary

- **Succulent**: a desert plant that stores water.
- **Growing season**: the period of time during each year when plants can grow.
- **Adaptation**: a physical feature or behavior that makes an organism more fit for existence in its environment.

# Biome Project

- Complete the requested information for each of the land biomes.
  1. Tropical Rain Forests
  2. Desert
  3. Savanna
  4. Temperate Deciduous Forest
  5. Temperate Grasslands
  6. Taiga
  7. Tundra