

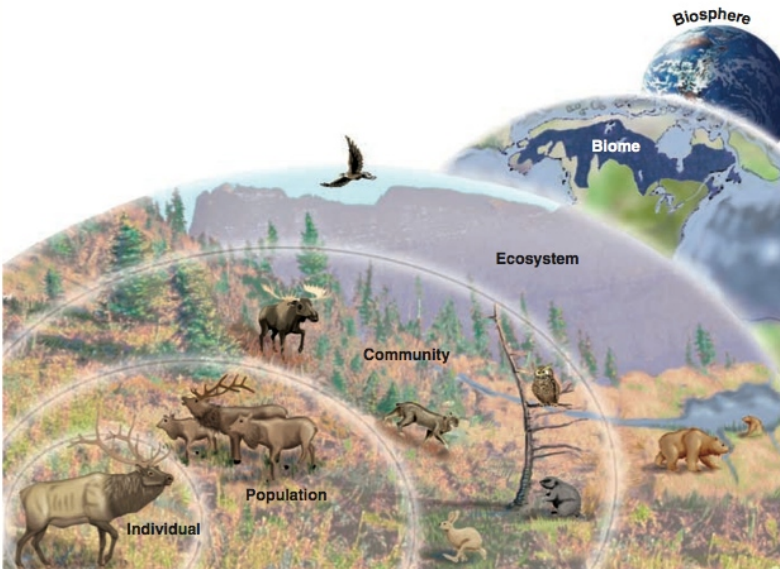
Lesson 5 - Biomes (2.4)

Purpose - Create a chart that can compare and contrast biomes.

(teacher note print pages 3-4)

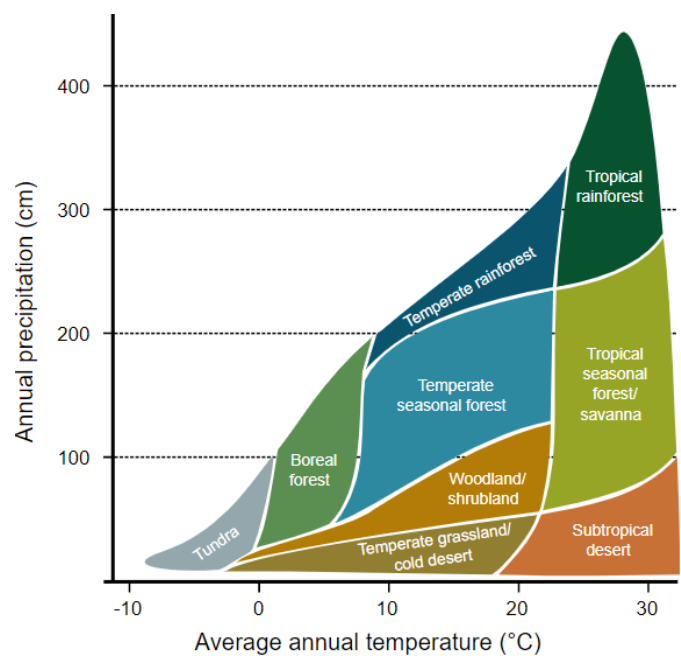
Homework - Read 2.4 - Complete reading notes to be graded during the before final exam in a few weeks.

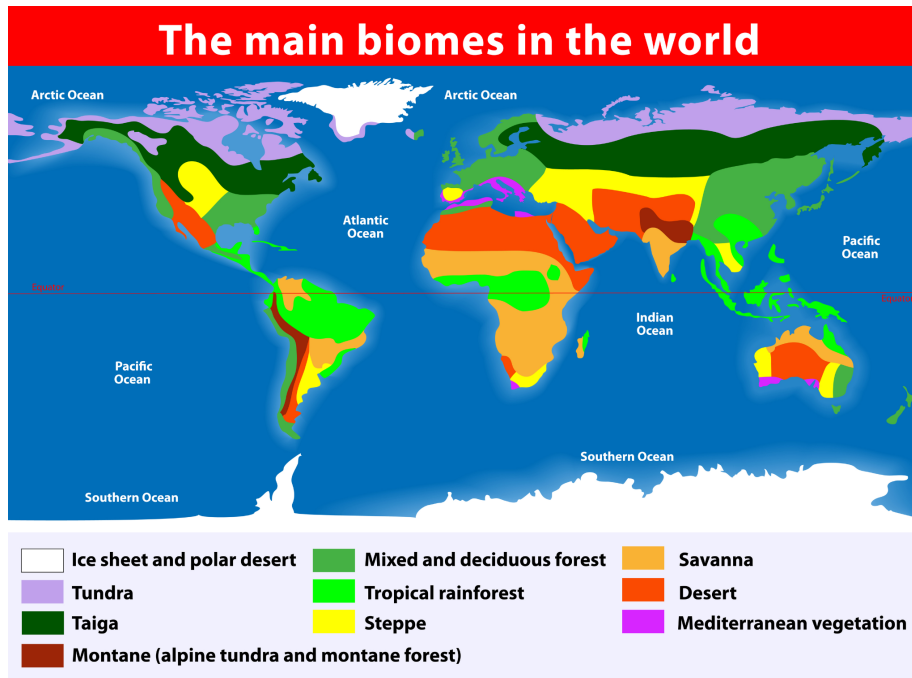
1. Warm up. Write - What is a biome? Come up with a definition based on this picture (Example - [use this picture](#) to help your answer)



2. Analyze - Biomes by Temperature and Precipitation.

- a. What does this chart show?
- b. What biome are we in?
- c. Are you considering where to live based on a “biome?”





3. Create a chart (Labels on the side, biomes on top) to Compare Two Biomes for a Grade. IB recommends more.

- Create a detailed diagram on paper that compares and contrasts the following biomes. “Include the characteristic limiting factors, productivity and resulting biodiversity of tropical rainforests, hot deserts, tundra and at least two other biomes.” (2.4.4)
 - Note, the IB expects you to be able to describe general characteristics from memory, so really think about what you are writing. Include the following information:
- Starting resource (feel free to look up other sources) - [Blue Planet Biomes](#) (scroll down to the map to start to select 2 biomes)
 - A **description** of each biome
 - **Locations** (countries) for that biome (including general latitude)
 - **Climate** - temperature ranges, precipitation amounts
 - **Common producers (plants)**
 - **Common consumers (animals)**
 - How do **biodiversity levels** compare for your different biomes?
 - How will **climate change impact that biome**?
 - Does this biome have a “**typical soil type**?”
 - **Productivity** of the Biome (leave space for this to add later)
 - **Climate Graphs Practice** - Draw a basic one for each biome. ([Example](#)) - Pay attention to the scales as they might bias your view
 - Pictures (optional)

4. Practice Quiz - [Climate Graph and Biomes](#).

5. As a class - Watch - How could you stop an advancing desert? Intergovernmental - UN WFP

 How the UN is Holding Back the Sahara Desert - Great “Case Study” example. Senegal

