

Intro: [Biomes of the World Video](#)

Biome: A large community of plants and animals that occupies a distinct region. Terrestrial biomes are typically defined by their climate and dominant vegetation. ([Dictionary.com](#))



Overall Objective: Critically curate and explore variety of resources using digital tools to construct knowledge, produce creative artifacts, and make meaningful learning experiences for yourself and others connected to the abiotic and biotic characteristics of biomes.

What do you want to know?

Trust Yourself. You Know More Than You Think You Do.

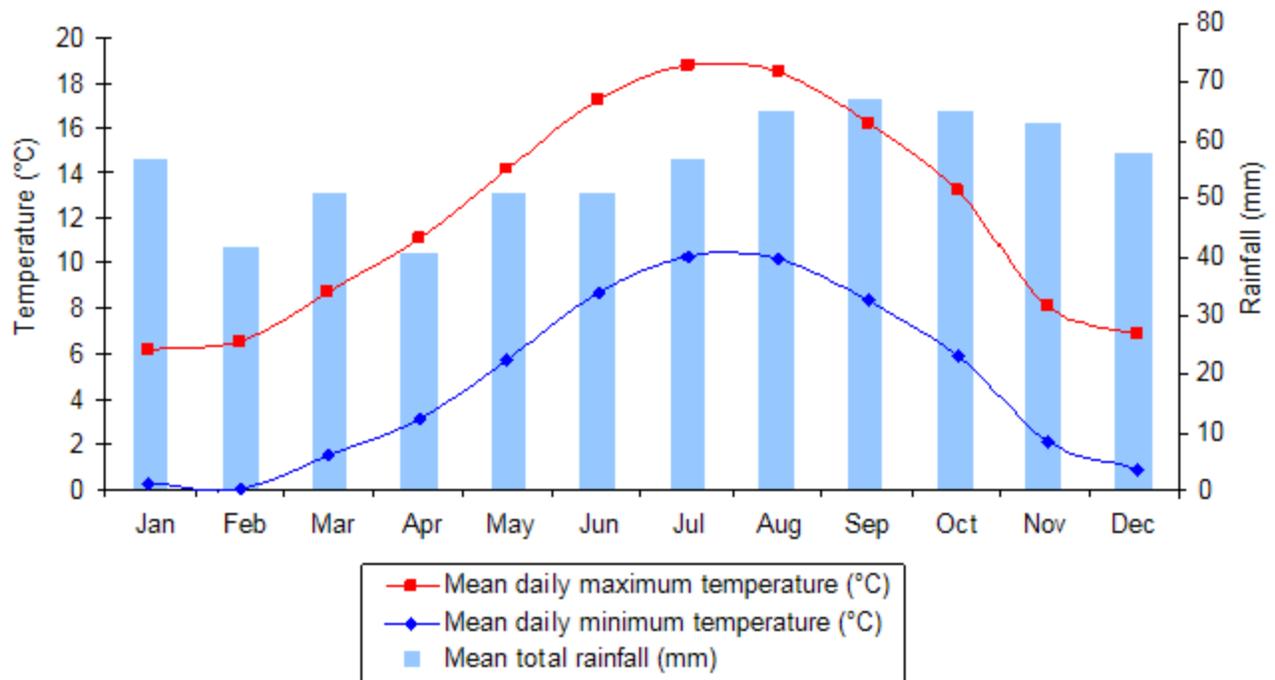
-Benjamin Spock

Think about what you know about climate and biomes. What questions do you have before starting this activity?

- Explore Biomes using <http://www.untamedscience.com/biology/biomes/>
- Take a look at [EarthLabs - Climate and Biomes](#) 4A and 4B to extend your learning.
- Review biome concepts with [Bozeman Science - Biomes Clip](#).

[Biomes of the World](#) - Good Overview

Part 1: Climate Graphs and Biomes



Objective 1: Understand how temperature and precipitation are connected to Biomes.

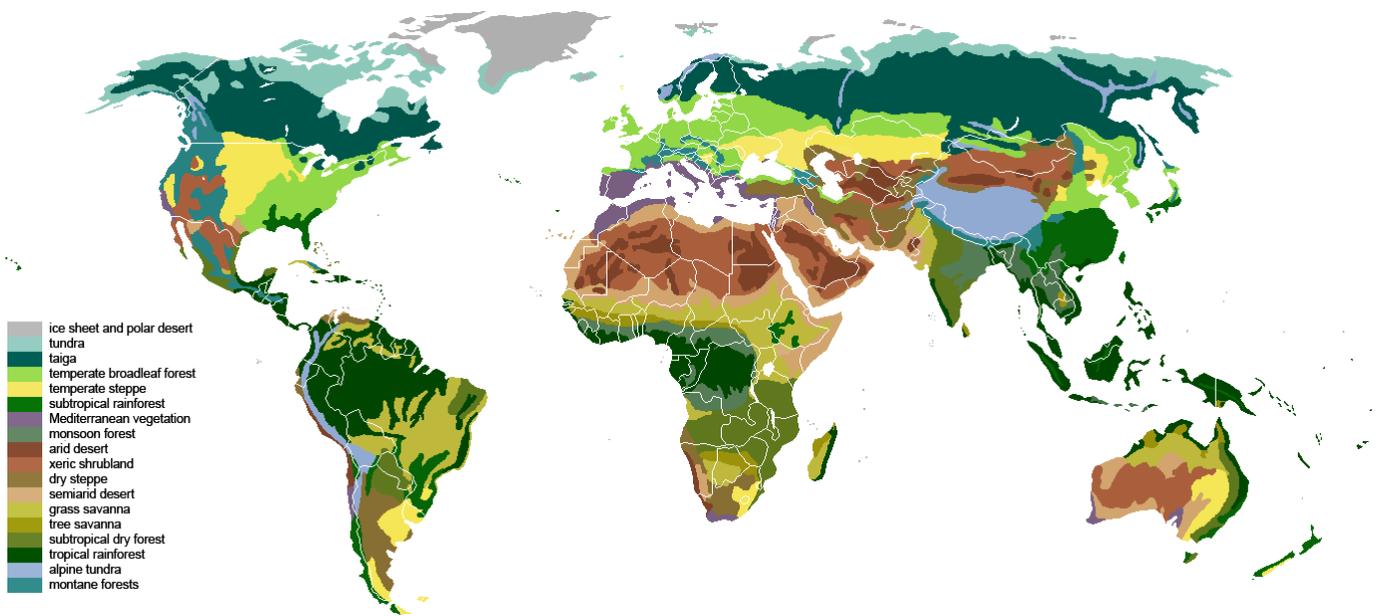
Learn about [Climate Graphs](#)

What questions does this video inspire?

Play the [Match Game](#) to see what you can hypothesize about different Biomes?

How did you do? What did you learn?

Part 2: Biome Basics - Getting to Know Biomes



Objective 2: Understand the abiotic and biotic characteristics that distinguish the different terrestrial biomes.

Uncomfortable Moment, Maybe?

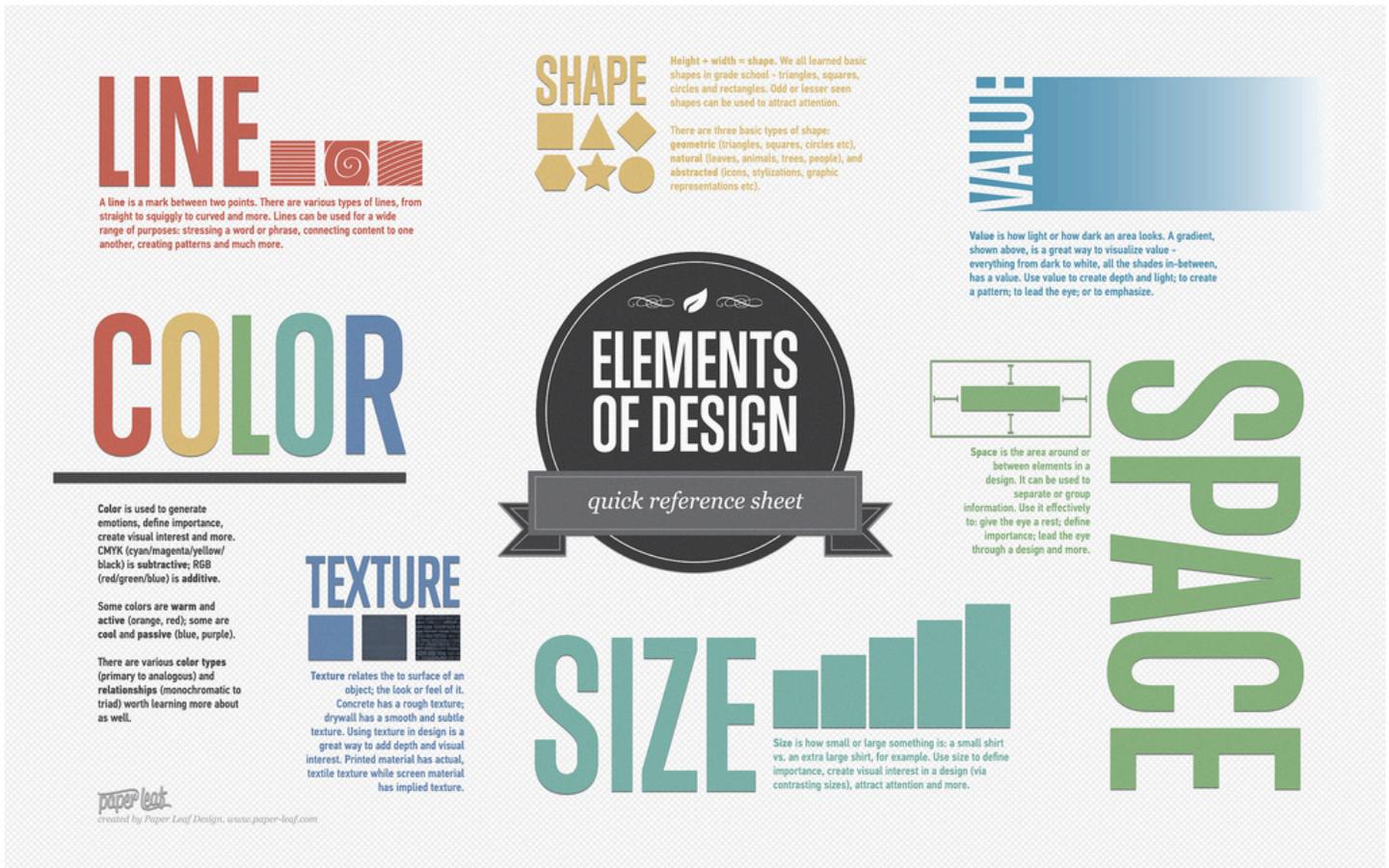
Explore some of the biomes below first. When you need a break, stand up, stretch, get the class's attention, and tell them something awesome that you've learned about biomes.

What did you tell the class?

Explore the link connected to each biome in the table below to help complete the table. Highlighting a word, right clicking, and then clicking "Explore" will provide you with additional resources.

Terrestrial Biomes	Climate Characteristics (Precipitation and Temperature)	Abiotic Factors of Note (Focus - Biogeochemical Cycles)	Biotic Factors of Note (Focus - Trophic Levels)
<u>Alpine</u>			
<u>Chaparral</u> (Woodland / Shrubland)			
<u>Desert</u>			
<u>Rainforest</u>			
<u>Savanna</u>			
<u>Taiga</u>			
<u>Temperate Forest</u>			
<u>Temperate Grassland</u>			
<u>Tundra</u>			

Part 3: Biome Infographics



Source: [Elements of Design Reference Sheet](#)

Objective 3: Explore the global distribution and characteristics of different biomes.

There are two Biome Infographics in our shared Google Drive Folder. Zoom in and explore both. What conclusions can you make about Biomes that you did not include in Part 2's table above?

[Biome Infographic 1](#)

[Biome Infographic 2](#)

	Conclusions Based on the Infographics
1	
2	
3	
4	
5	

Share your conclusions with your partner when you both have completed this table.

Part 4: Home Sweet Biome



Objective 4: Share essential characteristics of your biome with your class on an interactive shared MyMap.

Now that you've learned a bit about the World's Biomes, choose 1 Biome where you would like to live for a year. Learn more with this [Biome Map](#). (You may want to zoom the view for a better experience.)

In this shared [Google MyMap](#) Add a Marker to your class period for the location you've chosen and include the following.

- Name of Biome
 - Unique characteristics of biome that make it the place you want to be.
 - Several image that could inspire others to live there with you.
 - Essential Abiotic and Biotic factors that make your biome the place to be.
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Part 5: Global Connection - Culture & People



Objective 5: Connect biomes to people and culture.

Research and explore a bit about the culture (the people) of the area (search by country) using [Google Arts and Culture](#) search.

How do you think the culture is connected to some of the biome characteristics? Connect examples from the Biomes exploration in part 1 to your exploration in Google Arts and Culture.

Collaborate: Find 3 different people that you are not currently sitting near, introduce yourself, and tell them why you've chosen to live in your new Biome Home.

Who did you talk to? What did you share?

Reflection

What questions do you now have about biomes and climate?

Learn More

"Learn everything you can, anytime you can, from anyone you can, there will always come a time when you will be grateful you did."

– [Sarah Caldwell](#)

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