

# Biome Assignment

Your group will be assigned a biome to study. You will work together to research the components of the project and **create a biome ball**. Research work will be done in class however additional work can be completed as homework. You can decorate your biome ball with as much color, artwork, and detail as you choose. Each of you researches all the information; your team will then divide the final tasks evenly. Completed projects are due **Friday, May 20th**.

- Tundra
- Boreal Forest/Taiga
- Deciduous Forest
- Grassland/Savannah
- Desert
- Rainforest
- Aquatic (*freshwater &/or marine*)

You will research the following information to create the group biomes project (*use your notebook for research notes*):

- The **major characteristics** that define YOUR biome
- The **climate** of the biome
- Concerns of **how** climate change may impact the ecosystems in your biome
- Describe the **abiotic** factors in your biome
- Draw a **food web** for the biome (biotic factors)
- A **map** showing location of the biome in the world

## 1) **CHARACTERISTICS OF YOUR BIOME**

### 2) **CLIMATE:**

- ✓ Annual Precipitation (*amounts and kinds*)
- ✓ Annual Temperature (*average with range of high/low*)
- ✓ How does the climate affect the organisms that live there? Describe **specific adaptations** for survival of at least 3 organisms found in your biome. *Include these organisms on your project.*
- ✓ Concerns of **how** climate change may impact the ecosystems in your biome

### 3) **ABIOTIC FACTORS:**

**WATER:** What sources of water are available in this biome (lakes, streams, rivers, marshes, etc.)

**SOIL:** Describe the physical traits of your biome (mountains, flat, rich soil, sandy or muddy, etc.)

### 4) **FOOD CHAIN/WEB:**

List at least 6 different plants and animals found in this biome. Identify the energy role (*producer or consumer*) and identify the type of consumer (*herbivore, carnivore, omnivore, decomposer, scavenger, or parasite*).

Draw a food web using these plants and animals (*add more if needed*) with at least **three** food chains interconnected. Make sure to go through at least one secondary consumer in each food chain.

**Use a Robinson Projection map to show the location of your biome** (*use colored pencil or crayon... NO markers*).