Environmental Systems and Societies Name:

*Biome Project (75 points—groups of 1-4)*

**Learning Goal:** I want you to be able to identify the six primary biomes in the world. Using metrics like precipitation, temperature, insolation, P/E ratio, terrain, latitude, altitude and maybe vegetation patterns. Additionally I want you to be able to distinguish between subdivisions of biome types.

**Success Criteria:** I will consider your work a success if you clearly communicate the essential facts about your biome to other students so they can assimilate the information efficiently and effectively. The vehicle for your communication should be a poster, but you may use other media (such as Prezi, or PowerPoint) if you have a way to present it to the class.

**What to do:** Using information found in the ES & S textbook on pages 38-43 and via the Internet, create a poster that illustrates your biome. You must describe in words and pictures the terrain of your biome. You must also define the following terms and quantify them on your poster for your ecosystem. You must also distinguish between subdivisions of ecosystems in your biome (tropical, boreal, temperate forests—for example).

**The terms:**

* Net Primary productivity (g m-2 yr-1)
* Annual precipitation (mm y-1)
* Amount of the Earth that it covers (km2)
* Plant biomass (t)
* Mean biomass (kg m-2)
* Animal biomass (t)
* Insolation (W m-2 yr-1)
* P/E ratio
* Average Temperature per month (˚C)
* Latitude (˚)
* Altitude
* Vegetative patterns
* Typical food chain
* Coolest animal found there and why
* Limiting factors
* Humans’ effect on biome
* 3 Examples