



World Ecoregions Portfolio

Ecological Biogeography - Unit II

Vocabulary Terms

Directions: Throughout the course of your project you need to include each of the following vocabulary terms from first semester at least once. When you include them make sure that you **bolden** them to make them stick out. On the planning document below write in the number of the biome in which you included the vocabulary term.

Adaptation ____	Environment ____	Physical Geography ____
Adaptive Radiation ____	Erosion ____	Plate Tectonics ____
Allochthonous Endemism ____	Evolution ____	Population ____
Ancestral Biotas ____	Extinction ____	Provincialism ____
Autochthonous Endemism ____	Fauna ____	Qualitative Data ____
Barriers ____	Fire Ecology ____	Quantitative Data ____
Biodiversity ____	Flora ____	Range ____
Biogeography ____	Geographic Information Systems (GIS) ____	Region ____
Botany ____	Geomorphology ____	Scientific Theory ____
Center of Origin ____	Glaciation ____	Season ____
Climate Change ____	Global Warming ____	Specialization ____
Climatology ____	Hemisphere ____	Speciation ____
Continent ____	Invasive Species ____	Species ____
Continental Drift Theory ____	Island Biogeography ____	Taxon ____
Convergence ____	Landform ____	Theory of Evolution ____
Cosmopolitan Species ____	Latitude ____	Variation ____
Disjunction ____	Longitude ____	Vicariance ____
Dispersal ____	Panbiogeography ____	Water Cycle ____
Distribution ____	Persistence ____	Weather ____
Diversification ____	Phylogeography ____	Weathering ____
Earth Science ____		Zoology ____
Ecology ____		
Endemic Species ____		

Biomes

Directions: Throughout the course of the Unit you need to highlight each of the following biomes/ecoregions with maps, images, and explanations that showcases the biodiversity of the particular region. For each biome you'll include information related to the five themes of geography, and then case studies of a particular species and ecological issue affecting the biome. Track the completion of each element as you complete them on the planning document below.

Context Maps

- Geographic Zones Map (UNIT I)
- Scaling Place Map (UNIT I)
- Testing Bergmann and Allen (UNIT I)

1. Alpine/Montane/Highlands

Topical Geography (Five Themes of Biogeography)

- _____ Place: Climate Characteristics (Including Climograph for a specific Location)
- _____ Place: Animal Adaptations (Generalizations)
- _____ Place: Types of Plants (Generalizations)
- _____ Location: Map of Biome
- _____ Region: List of Geographic Regions where biome is located
- _____ Movement: Factors that influence spatial distribution of plants and animals
- _____ Human-Environment Interaction: Ecological Considerations

Regional Geography

- _____ Case Study Species (Common Name, *Scientific Name*, Range Map - Overlaid with Biome Map, Picture, Species Specific Adaptations)
- _____ Case Study Ecological issue (What is it and what is causing it? Where is it taking place? why is it a concern/how is it affecting local wildlife?)

2. Grasslands (Tropical Savanna & Temperate Grassland)

Topical Geography (Five Themes of Biogeography)

- _____ Place: Climate Characteristics (Including Climograph for a specific Location)
- _____ Place: Animal Adaptations (Generalizations)
- _____ Place: Types of Plants (Generalizations)
- _____ Location: Map of Biome
- _____ Region: List of Geographic Regions where biome is located
- _____ Movement: Factors that influence spatial distribution of plants and animals
- _____ Human-Environment Interaction: Ecological Considerations

Regional Geography

- _____ Case Study Species (Common Name, *Scientific Name*, Range Map - Overlaid with Biome Map, Picture, Species Specific Adaptations)
- _____ Climograph For a Specific Location (Location included on Map)
- _____ Case Study Ecological issue (What is it and what is causing it? Where is it taking place? why is it a concern/how is it affecting local wildlife?)

3. Polar & Sub-Arctic Regions (Ice Cap, Tundra, Taiga)

Topical Geography (Five Themes of Biogeography)

- _____ Place: Climate Characteristics (Including Climograph for a specific Location)
- _____ Place: Animal Adaptations (Generalizations)
- _____ Place: Types of Plants (Generalizations)
- _____ Location: Map of Biome
- _____ Region: List of Geographic Regions where biome is located
- _____ Movement: Factors that influence spatial distribution of plants and animals
- _____ Human-Environment Interaction: Ecological Considerations

Regional Geography

- _____ Case Study Species (Common Name, *Scientific Name*, Range Map - Overlaid with Biome Map, Picture, Species Specific Adaptations)
- _____ Climograph For a Specific Location (Location included on Map)
- _____ Case Study Ecological issue (What is it and what is causing it? Where is it taking place? why is it a concern/how is it affecting local wildlife?)

4. Mid-Latitude Forest (Temperate Coniferous, Northern Evergreen, Temperate Deciduous Forests)

Topical Geography (Five Themes of Biogeography)

- _____ Place: Climate Characteristics (Including Climograph for a specific Location)
- _____ Place: Animal Adaptations (Generalizations)
- _____ Place: Types of Plants (Generalizations)
- _____ Location: Map of Biome
- _____ Region: List of Geographic Regions where biome is located
- _____ Movement: Factors that influence spatial distribution of plants and animals
- _____ Human-Environment Interaction: Ecological Considerations

Regional Geography

- _____ Case Study Species (Common Name, *Scientific Name*, Range Map - Overlaid with Biome Map, Picture, Species Specific Adaptations)
- _____ Climograph For a Specific Location (Location included on Map)
- _____ Case Study Ecological issue (What is it and what is causing it? Where is it taking place? why is it a concern/how is it affecting local wildlife?)

5. Marine & Freshwater

Topical Geography (Five Themes of Biogeography)

- _____ Place: Climate Characteristics (Including Climograph for a specific Location)
- _____ Place: Animal Adaptations (Generalizations)

- _____ Place: Types of Plants (Generalizations)
- _____ Location: Map of Biome
- _____ Region: List of Geographic Regions where biome is located
- _____ Movement: Factors that influence spatial distribution of plants and animals
- _____ Human-Environment Interaction: Ecological Considerations

Regional Geography

- _____ Case Study Species (Common Name, *Scientific Name*, Range Map - Overlaid with Biome Map, Picture, Species Specific Adaptations)
- _____ Climograph For a Specific Location (Location included on Map)
- _____ Case Study Ecological issue (What is it and what is causing it? Where is it taking place? why is it a concern/how is it affecting local wildlife?)

6. Arid and Semi-Arid Regions (Deserts & Chaparral)

Topical Geography (Five Themes of Biogeography)

- _____ Place: Climate Characteristics (Including Climograph for a specific Location)
- _____ Place: Animal Adaptations (Generalizations)
- _____ Place: Types of Plants (Generalizations)
- _____ Location: Map of Biome
- _____ Region: List of Geographic Regions where biome is located
- _____ Movement: Factors that influence spatial distribution of plants and animals
- _____ Human-Environment Interaction: Ecological Considerations

Regional Geography

- _____ Case Study Species (Common Name, *Scientific Name*, Range Map - Overlaid with Biome Map, Picture, Species Specific Adaptations)
- _____ Climograph For a Specific Location (Location included on Map)
- _____ Case Study Ecological issue (What is it and what is causing it? Where is it taking place? why is it a concern/how is it affecting local wildlife?)

7. Tropical Forests (Tropical Rainforest, Tropical Seasonal Forest)

Topical Geography (Five Themes of Biogeography)

- _____ Place: Climate Characteristics (Including Climograph for a specific Location)
- _____ Place: Animal Adaptations (Generalizations)
- _____ Place: Types of Plants (Generalizations)
- _____ Location: Map of Biome
- _____ Region: List of Geographic Regions where biome is located
- _____ Movement: Factors that influence spatial distribution of plants and animals
- _____ Human-Environment Interaction: Ecological Considerations

Regional Geography

_____ Case Study Species (Common Name, *Scientific Name*, Range Map - Overlaid with Biome Map, Picture, Species Specific Adaptations)

_____ Climograph For a Specific Location (Location included on Map)

_____ Case Study Ecological issue (What is it and what is causing it? Where is it taking place? why is it a concern/how is it affecting local wildlife?)