

Please review the topics we learned about during this unit to prepare for the upcoming quizzes and test.

1) *Biodiversity and Ecological Niches*

Quiz Date: _____

- Activities we did (check off the items if you have them):
 - Introduction to Biodiversity
 - Section 4.2 Ecological Interactions
 - Ecological Niche Activity
- You should be able to (check off the items you can do):
 - Describe the importance of biodiversity
 - Identify symbiotic relationships (competition, commensalism, parasitism, mutualism, predation)
 - Define and use the following vocab terms:
 - Abiotic Factor
 - Biodiversity
 - Biotic Factor
 - Commensalism
 - Competition
 - Mutualism
 - Niche
 - Parasitism
 - Predation
 - Symbiosis
- Textbook: Section 6.1 (pages 166-167) and Section 4.2
- Quizlet link: https://quizlet.com/_3yi6hd

My Studying Plan:

<p>The topics I need the most help with are...</p>	<p>This is what I will do understand the topics:</p> <ul style="list-style-type: none"> <input type="checkbox"/> Go on Quizlet <input type="checkbox"/> Read the textbook sections <input type="checkbox"/> Ask someone to quiz me <input type="checkbox"/> Review my notes <input type="checkbox"/> Make a concept map <input type="checkbox"/> Study with a friend <input type="checkbox"/> _____ <input type="checkbox"/> _____ <input type="checkbox"/> _____ <input type="checkbox"/> _____ 	<p>I will study at the following days and times:</p>
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- Activities we did (check off the items if you have them):
 - Population Growth Notes
 - African Lions: Modeling Populations
- You should be able to (check off the items you can do):
 - Identify the conditions required for exponential growth
 - Identify limiting factors that slow and stop population growth
 - Describe factors that can increase or decrease a population size
 - Use a graph to interpret causes of population change
 - Analyze and compare relationships between the factors that affect the carrying capacity of populations within an ecosystem
 - Define and use the following vocab terms:
 - Birthrate
 - Carrying capacity
 - Death rate
 - Density-dependent limiting factors
 - Density-independent limiting factors
 - Emigration
 - Exponential growth
 - Immigration
 - Limiting factors
 - Logistic growth
 - Population
- Textbook: Sections 5.1 and 5.2
- Quizlet link: [https://quizlet.com/ 3zco7t](https://quizlet.com/3zco7t)

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- Activities we did (check off the items if you have them):
 - Succession Notes
 - Succession Packet
 - Wolf Effect
- You should be able to (check off the items you can do):
 - Evaluate how changes in an existing ecosystem's conditions affect the population numbers and biodiversity
 - Identify factors that cause ecological disturbances.
 - Describe the reasons that primary and secondary succession occur
 - Define and use the following vocab terms:
 - Primary succession
 - Ecological succession
 - Secondary succession
 - Pioneer species
 - Climax community
 - Symbiosis
- Textbook: Section 4.3
- Quizlet link: https://quizlet.com/_3zdgi5

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- Activities we did (check off the items if you have them):
 - Habitat Loss Webquest
 - Climate Change Notes
 - Invasive Species: INVASION!!
 - Scientists Say Millions Could Flee Rising Seas Article
 - Human Population Growth
 - Evidence of Climate Change Activity
 - Pollution Packet
 - Using Models to Predict Future Patterns
 - Understanding Overfishing
 - Sustainability Project
- You should be able to (check off the items you can do):
 - Describe how human activities reduce biodiversity.
 - Describe the causes and effects of the 3 types of habitat loss.
 - Explain how invasive species threaten native species.
 - Describe how increasing human population growth decreased biodiversity.
 - Identify causes and effects of air, land, and water pollution.
 - Explain how increased amounts of greenhouse gases cause climate change.
 - Describe and analyze solutions to reduce the impact of human ecological footprints on ecosystems
 - Define and use the following vocab terms:
 - Biomagnification
 - Greenhouse Effect
 - CFCs
 - Habitat degradation
 - Climate
 - Habitat destruction
 - Climate Change (Global Warming)
 - Habitat fragmentation
 - DDT
 - Habitat loss
 - Ecological Footprint
 - Invasive species
 - Endangered Species
 - Native species
 - Fossil fuels
 - Pollution
 - Weather
- Textbook: Chapter 6
- Quizlet link for Habitat Loss, Invasive Species, Population Growth, Pollution, and Overfishing: <https://quizlet.com/42t483>
- Quizlet link for Climate Change: <https://quizlet.com/42t57x>

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