

Unit 4 Exam Preview/ Review Sheet

<p>The Living World</p> <ul style="list-style-type: none"> • Biodiversity <ul style="list-style-type: none"> ○ Biodiversity and the Species Concept ○ How Do We Benefit from Biodiversity? ○ What Threatens Biodiversity ○ Endangered Species Management and Biodiversity Protection ○ Captive Breeding and Species Survival Plans • Evolution 	<ul style="list-style-type: none"> • Read Chapters 7,8, and 13. Complete Questions for Review and Questions for Critical Thinking for each chapter. • Review STF
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Key Terms:

Adaptation

Adaptive Radiation

Artificial Selection

Background Extinction

Biodiversity

Cloning

Coevolution

Depletion

Directional Selection

Disruptive Selection

Diversifying Natural

Selection

Ecological Niche

Evolution

Extinction

Fundamental Niche

Gene Pool

Generalist

Genetic Engineering

Geographic Isolation

Habitat

Macroevolution

Mass Depletion

Mass Extinction

Microevolution

Mutations

Natural Selection

Old Growth Forrest

Realized Niche

Reproductive Isolation

Specialist

Speciation

Stabilizing Selection

Clear cutting

Genetically Modified

Organisms

Genetic bottleneck

Habitat degradation

Adaptive radiation

CITES

Lacey Act

Endangered Species Act

Captive breeding program

Invasive species

Ecosystem services

Major Concepts: (Things you must know and be able to apply to real world examples)

- Understand the connection between genetic diversity and stability in either populations or ecosystems
- Understand the process of evolution over time with examples.
- Know and apply the various types of speciation
- Examples of coevolution, divergent and convergent evolution.
- Understand what is meant to be an endangered species and the conditions/ circumstances that may bring a species to that point.
- The laws surrounding protection of habitat and/ or wild life and the effects they may have on human populations or industry.
- Natural Selection v artificial selection- pros and cons

- The needs of man v the needs of nature
- Know what ecosystem services are with examples.