**Chapter 18 Conservation of Biodiversity**

**Vocabulary**

 **Module 59**

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| 1. Threatened Species | 2. Least Concerned Species | 3. Instrumental Value | 4. Provision |
| 5. Near- Threatened Species | 6. Intrinsic Value |  |  |

**Module 60**

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| 1. Native Species | 2. Exotic Species | 3. Invasive Species | 4. Lacey Act |
| 5. CITIES | 6. Red List |  |  |

**Module 61**

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| 1. Marine Mammal Protection Act | 2. Endangered Species | 3. Threatened Species | 4. Convention on Biological Diversity |
| 5. Edge Habitat | 6. Biosphere is the Reserve |  | a |

Opening Story

1. What is the first National Park in the US, what year was it designated, and what president designated it?
2. What did George W. Bush set aside (how much and where)?
3. What does a National Monument designation protect the area from?
4. What must governments consider when setting aside land? (4 things)!

Module 59: The Sixth Mass Extinction

1. What is an “inbreeding depression” and why are small population susceptible to them?
2. Why do Cheetahs have low genetic diversity?
3. Why has genetic diversity in crops and domesticated animals declined?
4. Why is it a disadvantage to plant only a few different species?
5. How have nations around the world responded to the decline in diversity?
6. How do you characterize a major extinction event?
7. How does the United Nations Convention on Biological Diversity estimate the current rate of extinction?
8. List and describe the 4 levels in which organisms can be placed :

1. Extinct:
2. Threatened:
3. Discuss the patterns of extinction for the following groups:
4. Birds:
5. Mammals:
6. Amphibians:
7. Why are amphibians experiencing the greatest global declines?
8. List the 5 instrumental values (ecosystem services) provided (for free) to humans and briefly describe and give an example for each:
9. Provisions:
10. Regulating Services:

5.

Module 59 AP Review Questions

1. 2. 3. 4. 5.

Module 60

1. For most species what is the greatest cause of decline and extinction? Why is this?
2. Referring to figure 60.2 what parts of the globe are actually increasing forest cover?
3. Discuss the decline in coral. Why is coral very important?
4. What is the reason for the decline in coral?
5. Explain why even just a reduction in habitat area can have an negative effect on species?
6. Why can edge habitats be a negative thing? (Brown-Headed Cowbird)
7. What makes invasive species so successful?
8. What is the difference between the Lacey Act and CITIES?
9. How can legal trade sometimes pose a threat? (cactus)
10. Give specific examples of how pollution can cause the decline in species.
11. Explain how the response to the BP Oil spill could have compounded the negative effects.
12. How may climate change effect the decline of species?

Module 60 AP Review Questions

1. 2. 3. 4. 5.

Module 61

1. Why is the story of the California Condor a success?
2. Why was the Marine Mammal Protection Act implemented?
3. How is the Endangered Species Act related to CITIES?
4. Why has the Endangered Species Act been controversial?
5. What is the overall message from the Convention on Biological Diversity?
6. What should be taken into concern when designating protected areas?
7. Describe the Theory of Island Biogeography. Describe metapopulations. How are they related to creating protected areas?
8. Describe SLOSS. Why is this a challenging concept?
9. What is the purpose of biosphere reserves?
10. Discuss one known biosphere reserve (Texas).

Module 61 AP Review Questions

1. 2. 3. 4. 5.

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1. 2. 3. 4. 5. 6. 7. 8. 9. 10. 11.