

Chapter 16 Human Impact on Ecosystems Jigsaw

Topic #1: Human Population Chapter 16.1 Page 484

1. What is the Earth's Carrying Capacity? _____

2. How does the increase in the human population affect the ecosystem? _____

3. What are non renewable resources? _____
_____ Examples: _____
4. What are renewable resources? _____
_____ Examples: _____
5. What is an ecological footprint? _____

6. What are the four causes in the increase in human population? _____

7. Explain what happened in Easter Island? _____

Topic #2 Air Pollution Chapter 16.2 Page 488

1. What is pollution? _____

2. What is smog? _____

3. What are particulates? _____

4. What is acid rain? _____

5. What is ground-level ozone? _____

6. What are two negative effects of ground-level ozone? _____
7. What does the ozone in the stratosphere do? _____

8. How does air pollution affect the ecosystem? _____

Topic # 3 Greenhouse Effect Page 490

1. What is the greenhouse effect? _____

2. Why is it called the greenhouse effect? _____

3. What keeps the Earth's temperature from dropping? _____

4. What are the main green house gases? _____

5. Using the graph, explain the relationship between carbon dioxide and global temperature? _____

6. Name two important functions of two greenhouse gases on the Earth's surface. _____

Topic #4 Global Warming Page 492

1. What is global warming? _____

2. What are the major causes? _____

3. How is global warming affecting ecosystems? _____

4. What is happening to the polar ice pack? Explain why. _____

5. Explain the how Earth's temperature is changed over time and will continue to change? _____

Topic # 5 Water Pollution Chapter 16.3 Page 494

1. How does water pollution affect the ecosystem? _____

2. What are the four major pollutants of water? _____

3. What are indicator species? _____
_____ Example: _____
4. What is eutrophication? _____

5. What are PCB and how do they affect organisms? _____

6. What is biomagnification? _____

7. What organisms are affected by biomagnification the most and why? _____

1. What is biodiversity? _____

2. What are 3 effects of when biodiversity decreases? _____

3. What is habitat fragmentation? _____
4. Identify and explain a solution to habitat fragmentation. _____

5. What are introduced species? _____
_____ Example: _____
6. What are native species? _____
_____ Example: _____
7. Why are introduced species harmful to the environment? _____

Topic # 7 Conservation

1. What is conservation? _____

2. Why is conservation important? _____

3. What is sustainable development? _____

4. What are the four techniques used in fisheries to help make it sustainable? _____

5. What is the Endangered Species Act? _____

6. What are umbrella species? _____

7. What is the Environmental Protection Agency? _____

8. What are two things we can do to help protect the environment? _____

Draw/color an image for each of the topics in Chapter 16

1. Human Population

2. Air Pollution

3. Greenhouse Effect

4. Global Warming

5. Water Pollution

6. Threats to Biodiversity

7. Conservation