Ch. 4 Sec. 1 AND 2!

Name: _____
Date: _____ Per. _____

CORNELL NOTES SHEET

Chapter 4 - Section 1
"First, The Bad News"

I CAN...
- Describe the major types of pollution
- Distinguish between renewable and nonrenewable resources
- Explain how habitat destruction destroys organisms
- Explain the impact of human population growth

What is pollution?	Pollution:
	• An _____ in the environment caused by substances or forms of energy
	• Can be in the form of:
	  • _____
	  • _____
	  • _____
	  • _____
	
	Pollutant - Anything that _____ pollution

What chemicals are harmful?	Hazardous waste is waste that can:
	  • _____
	  • _____
	  • _____
	  • _____ (wear away gradually as if by gnawing, especially by chemical action)
	
	Radioactive waste:
	• Hazardous wastes that give off _____
	• Produced by _____

Name: _____
Date: _____ Per. _____

What can certain chemicals harm?	CFCs and PCBs:
	• Two groups of harmful chemicals
	  • _____ - (Chlorofluorocarbons) - _____ items, such as aerosols, that destroy the _____
	  • _____ - (Polychlorinated biphenyls) - banned items, such as paints, _____
	
	Ozone - A layer that blocks (absorbs) _____ of the solar radiation (harmful ultraviolet rays)_____
	
	Ultraviolet rays - can cause _____
	
	Ozone hole - a hole in the ozone layer of our atmosphere

What are renewable natural resources?	Renewable resource - a natural resource that can be replaced at the _____
	  • _____
	  • _____
	  • _____

What are nonrenewable natural resources?	Nonrenewable resource - a resource that forms at a rate that is much slower than the rate at which it is consumed
	  • Minerals
	  • Fossil fuels (coal & oil)

What are alien species?	Alien species: • An organism that makes a home for itself in a place _____ • They become more free from _____

Name: _____
Date: _____ Per. _____

What is over-population?	Overpopulation: • The presence of _____ in an area • NOT enough _____ (food & water)
What is bio-diversity?	Biodiversity: • Variety of life • Different species • This is lost when habitats are destroyed
What is deforest-ation?	Deforestation: • Clearing of _____
What does it mean to be biodegrade -able	Biodegradable: • Capable of being slowly broken down into very small parts by natural processes or bacteria • Paper is biodegradable • Plastic is NOT biodegradable

Name: _____
Date: _____ Per. _____

CORNELL NOTES SHEET
Chapter 4 - Section 2
"The Good News: Solutions"

I CAN...
- Explain the importance of conservation
- Describe the 3 R's & their importance
- Explain how habitats can be protected
- List ways to help protect the Earth

What is conservation?	Conservation: • How to _____ Earth! • The WISE use of _____ • The WISE _____ of natural resources
What are the Three "R's"?	Three "R's" of Conservation: • _____ • _____ • _____

How can we reduce?	Reduce:
	• Means to reduce t_____
	• Consumers are encouraged to:
	  • Purchase _____
	  • Buy items with _____
	• Switch to _____ instead of _____ items

How can we reuse?	Reuse: • When an item is _____ and the materials are _____ • When purchasing a new item, you can look for a product that_____ • Buy an item _____, _____, or _____, instead of buying the product new.

Name: _____
Date: _____ Per. _____

How can we recycle?	Recycle: • To treat used or waste materials to make them suitable for reuse