

## HUMAN IMPACT- Chapter 6-1 to 6-3

NAME \_\_\_\_\_

### MATCH THE VOCAB WORD WITH ITS DEFINITION

HABITAT FRAGMENTATION	ENDANGERED	POLLUTANT	BIODIVERSITY	AGRICULTURE
"BIODIVERSITY HOT SPOTS"	INVASIVE	THREATENED	BIOLOGICAL MAGNIFICATION	
EXTINCT	OZONE LAYER	MONOCULTURE	ACID RAIN	CONSERVATION
				SMOG

- \_\_\_\_\_ Plants or animals that have migrated or been introduced into places where they are not native and for which there are no natural predators or parasites to control their population
- \_\_\_\_\_ A species whose population size is rapidly declining and will become extinct if the trend continues without intervention
- \_\_\_\_\_ A species whose population size is declining and may become endangered if the trend continues
- \_\_\_\_\_ A species that is no longer living
- \_\_\_\_\_ The wise management of natural resources, including the preservation of habitats and wildlife
- \_\_\_\_\_ The increasing concentration of a harmful substance in organisms at higher trophic levels in a food chain or web
- \_\_\_\_\_ The sum total of all the variety of organisms in an ecosystem; it's a measure of an ecosystem's health
- \_\_\_\_\_ The development of land which divides a habitat into isolated "islands"
- \_\_\_\_\_ Atmospheric layer in which ozone (O<sub>3</sub>) gas is relatively concentrated that protects us from the sun's ultra-violet radiation
- \_\_\_\_\_ Farming strategy in which large fields are planted with a single crop year after year
- \_\_\_\_\_ Precipitation containing nitric and sulfuric acids caused by burning fossil fuels
- \_\_\_\_\_ Any harmful material that can enter the biosphere through land, water, or air
- \_\_\_\_\_ Places where unique ecosystems are threatened and where the concentration of money and efforts may produce the most results
- \_\_\_\_\_ A mixture of chemicals (smoke + fog) that occurs as a gray-brown haze in the atmosphere
- \_\_\_\_\_ The practice of farming

MULTIPLE CHOICE. CIRCLE ALL THAT ARE TRUE.

There could be more than one correct answer.

The governmental agency that is tasked with monitoring and enforcing environmental regulations, providing education on environmental issues, conducting environmental research, and providing funding for environmental programs is the \_\_\_\_\_.

- A. DDT
- B. CITES
- C. WWF
- D. EPA

The pesticide that endangered eagles and other fish eating birds of prey is \_\_\_\_\_

- A. EPA
- B. CITES
- C. DDT
- D. ozone

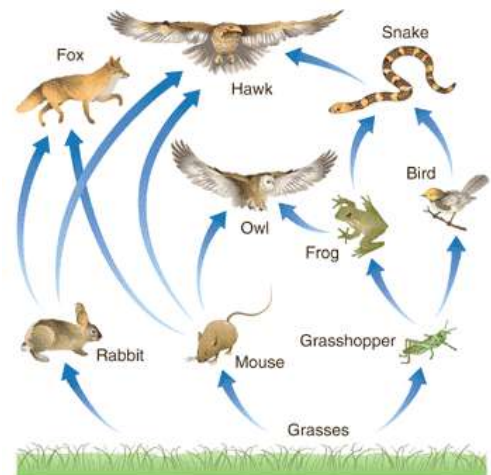
Circle ALL of the following that are considered to be examples of invasive species.

- A. buffalo in South Dakota
- B. leafy spurge in South Dakota
- C. Zebra mussels in South Dakota
- D. rabbits in Australia

Look at this food web and determine which of the following organisms would accumulate the highest levels of chlorinated pesticide.

- A. hawk
- B. rabbit
- C. frog
- D. tree

During the late 1950's-early 1960's people living near Minamata Bay, Japan became ill with a crippling neurological disease, later discovered to be caused by mercury being dumped into the ecosystem there. The toxin passed along the food chain and people became ill from eating fish caught in the bay.



These 2 questions are examples of which concept you learned about?

\_\_\_\_\_

The \_\_\_\_\_ biodiversity there is, the better it is for the ecosystem.

- A. more
- B. less

Tell how these new practices or technologies that farmers are using can reduce the impact of agriculture on the environment.

PRACTICE/TECHNOLOGY	HOW IT HELPS THE ENVIRONMENT?
GPS/Satellite imaging	
No-till or contour plowing	
Natural biological pest control (EX: Using ladybeetles to kill aphids)	
Crop rotation	
Controlled grazing	

Name the aquifer that supplies water to much of the Midwest. \_\_\_\_\_

Name 2 animals that have been driven close to extinction by overhunting or poaching.

\_\_\_\_\_

Tell an animal that has been helped by captive breeding. \_\_\_\_\_

Give an example of an invasive species in South Dakota \_\_\_\_\_

The CITES Act, passed to protect endangered species, prevents importation into the United States of anything that comes from an endangered animal. What does CITES stand for?

\_\_\_\_\_

Name a "green" organization that is working to protect the environment.  
(HINT: Look in your slide show for this one)

\_\_\_\_\_

Explain what "INVISIBLE WATER" is

\_\_\_\_\_

What is the "tragedy of the commons" \_\_\_\_\_

\_\_\_\_\_

LOOK IN YOUR SLIDE SHOW:

Name 2 RESOURCES/PRODUCTS the planet provides for us \_\_\_\_\_

Name 3 PROCESSES the Earth REGULATES or SUPPORT SERVICES the planet provides for us.

\_\_\_\_\_

Tell 3 things you personally could do to conserve water.

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_