

Name _____ Date _____

Period _____ General Biology

Chapter 32 Notes
Solving Ecological Problems

Resources and Human Activities

Any part of the environment used by humans is a _____

_____. These include _____

_____ and _____

What is the difference between a renewable and a nonrenewable resource?

A species that is extinct no longer _____ anywhere on Earth.

A species that is in danger of becoming extinct is _____

A species that is close to being endangered is _____

Two ways that humans are decreasing the number of organisms in a species:

1) _____

2) _____

The wearing away of soil by wind and water is called _____

Sediment is _____

The problem with sediment is that it _____

Many lakes and ponds can go through succession at an abnormally fast rate because _____

Anything that makes the surroundings unhealthy or unclean is called _____

A fossil fuel is _____

Examples are _____ and _____

_____. These are nonrenewable! New sources of energy must be found!

Problems From Pollution

Air Pollution:

1) caused by burning _____

or _____

2) Smog is a combination of _____ and _____ due to harmful gases reacting with the energy in sunlight.

3) _____ from factories and power plants is dangerous because the _____ forms _____ when it is burned.

This is a toxic gas!

4) Burning fossil fuels also give off large amounts of _____

which can cause the _____ by trapping heat in the Earth's atmosphere so that it can't escape.

5) The purpose of the ozone layer is to _____

Humans are depleting the ozone layer by _____

6) _____ is a gas that can be found in homes. It may cause cancer.

Water Pollution:

Much of our water is contaminated with _____

_____ and _____. How do pesticides end up _____

in the water? _____

DDT is a _____. It causes cancer and makes bird shells so brittle that some are now endangered. It is no longer used in the U.S.

Biodegradable means _____.
These chemicals can spread through food chains killing many organisms.

Why is burying toxic wastes harmful? _____

PCBs are _____

Heavy metals such as _____ and _____ are also found in water.

An acid is a _____

A base is a _____

What is acid rain? _____

Land Pollution:

What can be done prevent dumps and land fills from filling up with nonbiodegradable items?

Working Toward Solutions

Government Efforts:

1) 428 _____ to protect or shelter plants and animals from harm by humans

2) The _____, passed in 1973; states that

" _____

_____ "

Effort by Citizens:

1) slow soil erosion by _____

plant strips of grass between fields to _____, and
plant rows of trees as _____

2) conserve _____

Keeping Our Environment Clean

1) power plants using coal must have _____ in their smokestacks
to improve air quality

2) instead of pesticides, the natural predators are used; for example, _____
can be added to kill _____ which feed on leaves

3) _____ and _____ can also be used to kill
insects

4) the reusing of resources is _____. Name some items that
can be recycled: _____