

Topic 6: N. I. M. B. Y. There is No Away in Throwing

How does pollution travel from one place to another? (How is it carried there?)

Air currents, water currents.

What do CFC's destroy in our environment? How do they do this? What is the result? Why are they so dangerous? (three reasons)

Destroy ozone (O₃). See page 238.

Chloride ions act as a catalyst and break down ozone into oxygen.

CFC's are stable, which means they're persistent, cheap, and non-toxic.

Summarize a tertiary waste water treatment plant. What do you begin with? What happens in the middle? What do you end with?

primary---->secondary---> tertiary

What factors affect biodegradation?

temperature

climate

time

What is a BIOREACTOR?

container that houses bacteria in appropriate conditions where ground water is pumped in and bacteria clean the water

What is PHYTOREMEDIATION?

Using plants to fix a problem (phyto means plant)

Define BIODEGRADATION:

a substances ability to be broken down.

Define HAZARDOUS WASTE:

substances that contain toxins that are POSIONOUS, TOXIC, CORROSIVE, FLAMMABLE, OR EXPLOSIVE

Define BIOREMEDIATION:

using living organisms to fix a problem

Define SANITARY LANDFILL:

a landfill that is covered each day to avoid windblown litter and scavengers

where everyday garbage goes to

Define SECURE LANDFILL:

deals with hazardous and toxic wastes

uses a clay liner