Sadly all of the world's forests are under attack...

Sustainability is the Answer

- ► Forestry is going to take place the question is whether or not we will manage our forests so that they will last for generations to come
- Ecotourism-profit for keeping our environment in tact
 PAS (1993)-Protected Areas Strategy preserve 12% of our lands for parks, recreation, and wildreness
- ► Great Bear Rainforest-Spirit Bear http://www.youtube.com/ watch?v=E2His2yVIBg







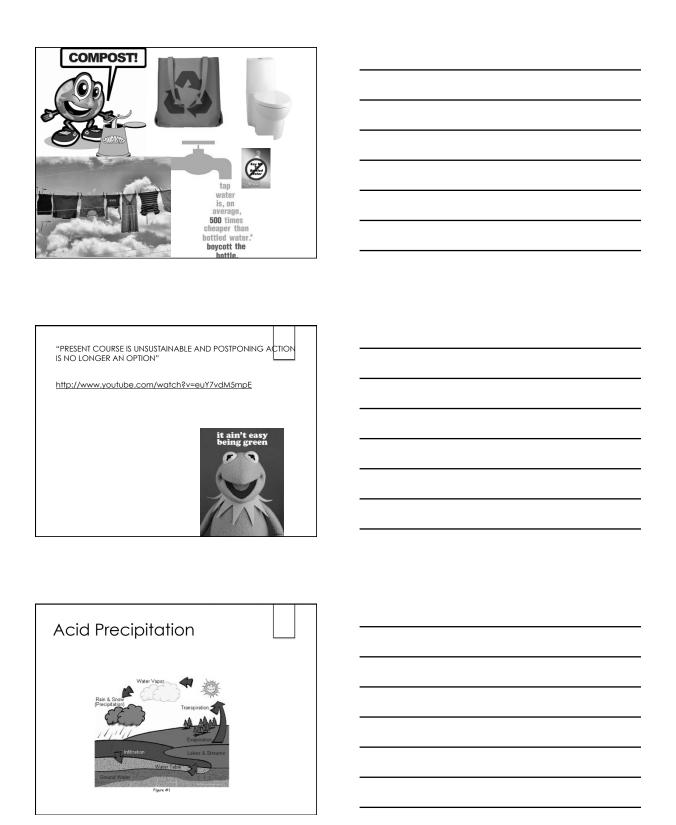


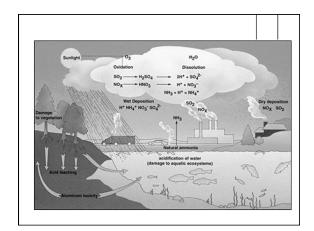
► Tlinglit First Nation switched from diesel to run-of-the river power ► Haida Gwaii-Wind Turbines ► T'Sou-ke Nation-largest system of solar power in BC • Machington Usa • Washington Usa

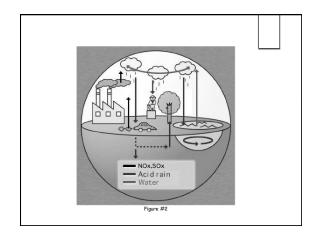
Doing our part

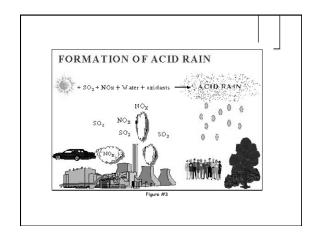
- ► Canadians lead the way:
- Waste recycling programs
- ► Sewage-into fertilizer
- Energy efficient homes and cars
 Reduce pesticide and herbicide
- Reduce pesticide and herbicide use
- Cutting back paper and water consumption
 BUT
- However, our forests, groundwater, and other resources are being depleted at a concerning rate
- depleted at a concerning rate

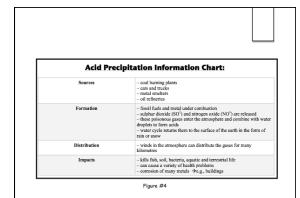
 Canada has also opted out of Kyoto.
- Individuals make the difference:
- We consume 15 times more energy than those in developing world Do:
- ▶ Recycle
- ► Compost
- ▶ Buy local
- ▶ Use energy efficient appliances
- ► Low-flush toilets
- ► Shorter showers
- ▶ Drink tap instead of bottled water
- http://www.youtube.com/watch? v=tnUjTHB1IvM
- Reusable shopping bags

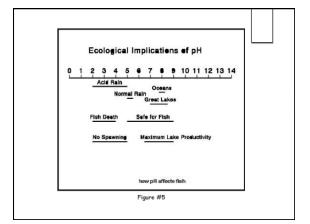


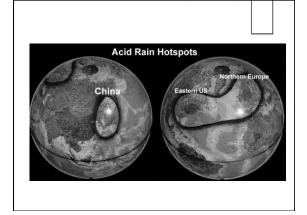


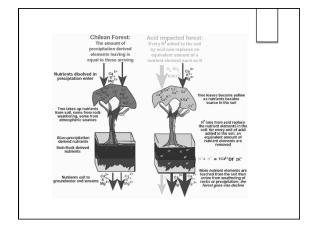












Effects of Acid Rain

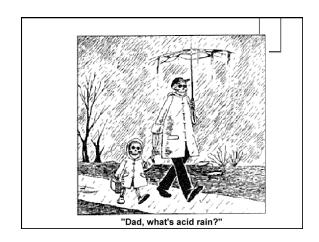
- In Japan, acid rain with acidity akin to lemon juice has been observed at Mount Tsukuba in 1984 (ph 2.5) and at Kagoshima in 1987 (ph 2.45).
- ➤ The problem is even more serious in North America and Europe. In those regions, forests are withering and lakes become uninhabitable to fish
- ► Stone structures such as buildings and bronze statues are being damaged by corrosion

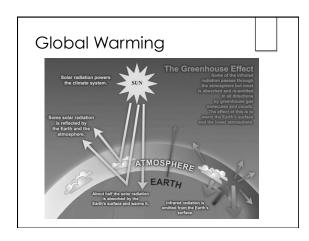
Picture on L = 1908 Picture on R = 1968

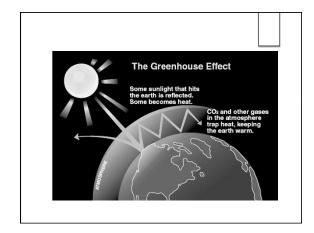


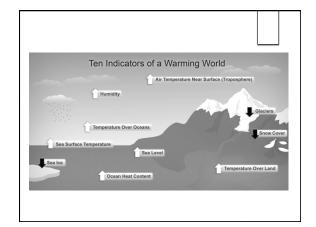




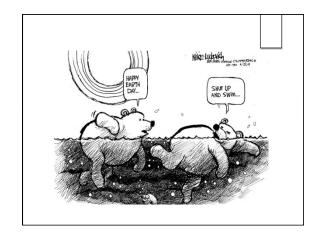


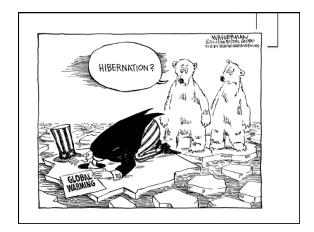






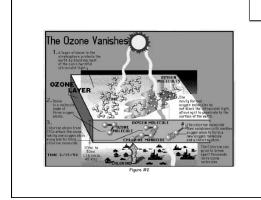






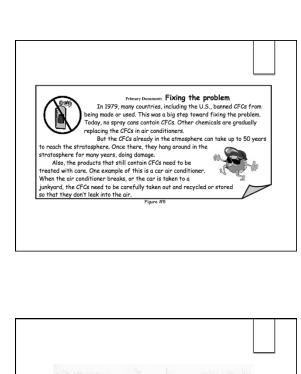


Ozone Depletion



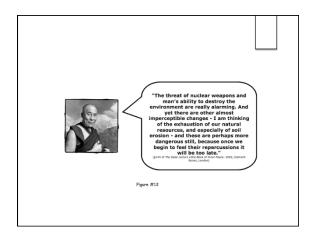
Ozone Depletion

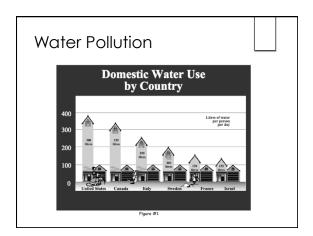
- $\blacktriangleright\,$ Also at risk is the safety of the world's food chain
- ▶ UV rays adversely affect the growth of staple crops like rice
- ► UV rays also adversely affect phytoplankton which serve as the base of the ocean food chain

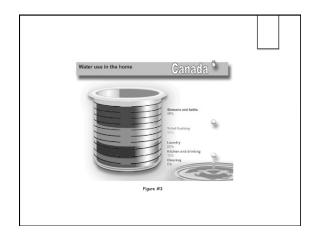




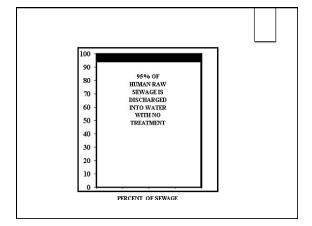
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SOIL EROSION				
SODU - An excellent acronym to remember the way farmers cause soil erosion. Farming practices which cause soil erosion:	soil erosion:			
Problems Description Solution Too many crops are grown on the same area Chand. Nutrients are exhaustion of land. Nutrients are exhaustion will no longer grow. Soil exposed to wind and national problems of production to allow the recovery of nation.	Problems Description	Solution Crop rotation - farmers should grow different crops from year to year. Fields should be		
will no longer grow. Soil exposed to wind and taken out of production to allow the recovery of nain. Overgrazing Too many animals are kept on an area of land, Rotate animals on different fields. vegetation cover is removed, with and and rain	will no longer grow. Soil exposed to wind and rain. Overgrazing Too many animals are kept on an area of land,	unteriout of production to allow the recovery of nutrients. Rotate animals on different fields.		
vegetation cover is removed, wind and rain incrode the soil in crode the soil in cro	erode the soil			
Increase in ercsion. Up and down This is when famors plough up and down hills. Farmers should plough following contours.	Up and down This is when farmers plough up and down hills.			
ploughing Rainfall flows down furrows removing top soil. Figure #6				







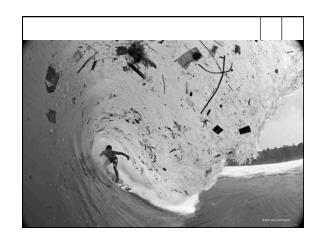


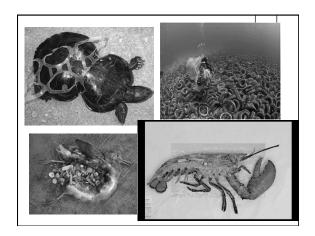


Global Water Pollution

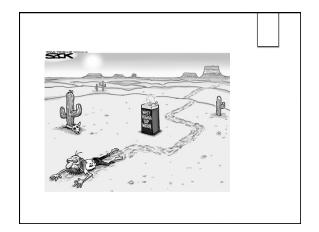
- Estimates suggest that nearly 1.5 billion people lack safe drinking water and that at least 5 milion deaths per year can be attributed to waterborne diseases
- With over 70 % of the planet covered by oceans, people have long acted as if these very bodies of water could serve as a limitless dumping ground for waste
- Raw sewage, garbage, oil spills overwhelm the diluting capabilities of the oceans
- ▶ Most coastal waters are now polluted
- Beaches around the world are cloesd regularly because of high amounts of bacteria from sewage disposal
- ▶ Marine wildlife is beginning to suffer

Garbage Patch GREAT PACIFIC GARBAGE PATCH



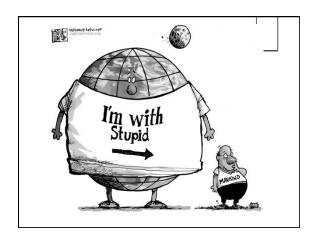












Provincial Exam - Help Solutions???"GET R.E.A.L"



- The following acronym can be used to organize information when answering government exam questions that focus on solutions and or management strategies to environmental problems.
- R. Reduce, Reuse, Recycle
- E. Educate people about the dangers or consequences of the problems
- A. Alternatives. Provide people with alternatives to help solve problems
- L. Legislate laws to enforce rules that would help to solve the problem at hand

EXAMPLE:
Using your understanding of geography solutions that would help slow down global warming that is currently threading northern ecosystems.

R. Reduce the number of cars on the road. This would limit the amount of CO2 in the atmosphere. Resuse and Recycle solid waste and other garbage from private house holds and industries. This would also limit the amount of CO2 in the atmosphere resuse and Recycle solid waste and other garbage from private house holds and industries. This would also limit the amount of CO2 in the amount of the solid limit of the dangers of global warming might change people's behaviour to slow down this process.

A code and code alternatives like public transportation for people to use to limit the amount of cars on the Acad and Code and the code of the code of