



Otázka: Modern technologies, science, the environment

Jazyk: Angličtina

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Start

- at the beginning tell the difference between culture and nature
- culture is everything which is manmade or made by humans(people)
- nature is everything around us plants, animals, us, seas, rivers and so on
- Civilization has brought people many advantages but its products also pollute and damage the environment in which we live.
- Many European countries already made steps against pollution but in Czechlands(:D) we are just at beginning in fight against pollution.

Air pollution

- one of the biggest problems is air pollution
- the air is needful for life - not only for humans, but also for animals and plants
- but it's very polluted, especially in large cities and in areas with concentrated industrial production
- pollution is caused by cars exhausts, coal-fired power station and industry plants burning fossil fuels
- smoke contains sulphur dioxide(SO₂), nitrogen oxide (NO), and carbon dioxide (CO₂)
- substances such as SO₂ and NO can cause major changes in the environment which can lead to climate changes.
- these substances mixed with water vapour in the atmosphere can be turn into the acid rain which can gradually kill the trees
- people should try to use alternative sources of energy, such as solar, water, wind and geothermal
- there are more ways to reduce air pollution caused by road traffic

- first of them is to support public transportation
- another way is to encourage tree planting, because trees absorb carbon dioxide

The green house effect & global warming

- is the gradual warming of the Earth because heat cannot escape to space
- it is caused by pollution in the air with dangerous gases such as carbon dioxide and chlorofluorocarbons (CFCs)/síefsís/
- the greenhouse effect can lead to climate changes
- many scientists agree that the Earth is getting warmer
- it means that the green house effect is connected with global warming
- people produce greenhouse gasses which stay in atmosphere
- the temperature rises so ice caps melt
- sea level goes up and it is results from melting of the ice caps
- dangerous consequence is flooding in some area

The ozone layer

- another problem is destroying the ozone layer
- the ozone layer is very important, because it protects us from ultraviolet rays from the sun which is a cause of skin cancer
- recently has been found that there are holes in it caused by use of some chemicals
- ozone damaging gases such as freons are used in aerosols, air conditioning and refrigeration, but they should no longer be used

Tropical rain forests (the lungs of our planet)

- a lot of trees are damaged by pollution and acid rain
- but in some parts of the world trees are not killed pollution but by a people
- the great rainforests are being destroyed for firewood, furniture and building materials, creation new farms but the soli isn't fertile so it is wishes circle/púda není úrodná/

- but trees are important for our life because they absorb carbon dioxide from the air and give out oxygen in return

Alternative sources of energy

- most of the energy which we use today comes from coal, oil and gas
- but these will not last forever, and burning them is slowly harming at the atmosphere
- we need to look for other ways to supplying energy
- we should use alternative sources of energy such as solar power, wind power or water power
- water-build water power station
- geothermal- in Iceland there are hot springs which are used for heating and for grow some plants
- wind - windmills /větrné mlýny/
- solar - solar panels, expensive to buy but the money probably will return back to you in 10 years
- in cars we should use unleaded petrol (gas) In CR it is

In cars we have catalytic converters which turns dangerous gases into CO₂, nitrogen and water vapour

Water pollution

- in agriculture polluted by pesticides and fertilizers
- by oil leaking
- factories also by leaking
- we should use sewage (water) treatment plant /ČOV/

Soil pollution

- fertilizers and pesticides stays in it
- can become contaminated as a result of industrial waste and other
- much of domestic rubbish is disposed of in landfills/dump/
- we should sort out the rubbish
- recycle means you will use (f.e. paper) again

Animals & plants

- the balance of species of plants and animals has been affected by human activities
- animals lose their natural habitat
- read book - list of endangered species
- poacher-people who kill animals for money (without permission)

Elephant tusk - ivory (slonovina)

- We should create National Parks and nature reserves

How to be green

Save:

- Paper by sort out rubbish
- Electricity by switching off gadgets we don't use right now
- Water - having shower instead of bath,
- Use public transport, go by bike, or on foot
- Support grow plants and trees