Renewable and nonrenewable sources of energy

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What does "renewable" mean?

- A non-renewable resource is a natural resource that cannot be re-made or re-grown at a scale comparable to its consumption.
- Renewable resources are natural resources that can be replenished in a short period of time.

Renewable sources - examples

- Solar
- Wind
- Water
- Geothermal
- Biomass







Non-renewable sources - examples

- Coal
- Oil
- Gas
- Nuclear







Non-renewable sources - advantages

- Independence from the weather
 - reliability
- Cost-effective
- Easy to produce and use

Non-renewable sources - disadvantages

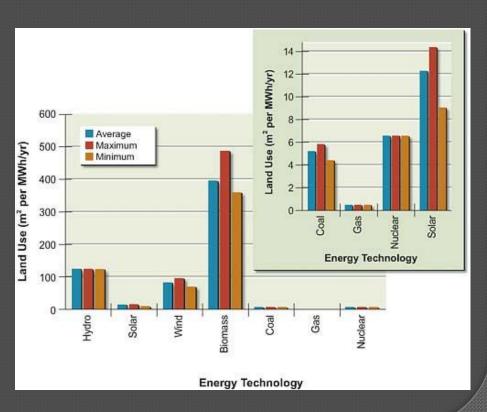
- Can be depleted
- Air pollution which causes health and environmental problems
- Vast amount of greenhouse gases
- May be the cause of war

Renewable sources - advantages

- Can't be depleted
- Everyone can have a small energy plant
- Near-zero waste products less impact on the environment and our health
- Can easily provide electricity even on a desert island
- Stabilization of global energy prices

Renewable sources - disadvantages

- High land use
- Dependence on the weather
 - unreliability
- High initial cost



Summary

- Non-renewable sources are cost-effective but destroy environment
- Renewable sources are costly, cause many problems in stable production and distribution but don't harm our health or the environment
- Should we stop using non-renewable sources of energy?