



GREEN ENERGY



What is green energy?

Green energy refers to every type of energy that is produced by using renewable sources and resources, without damaging the world we live in.

Types of green energy

- ❖ Solar energy - the photovoltaic panels use the sun's energy to produce electricity (houses, industrial areas, other uses)



- ❖ Wind power - wind turbines are the oldest forms of renewable energy used worldwide; wind turbines are used to produce energy both in wind farms and in isolated windmills (housing energy supplies).



- ❖ Biomass – it is used to turn manure or the bio-waste into bio-gas or biodiesel; it can be used for cooking, water heating, lighting, energy production.



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- ❖ Geothermal heat - geothermal energy is a type of renewable energy produced by the heat at the centre of the earth; hot water and steam, trapped in areas with volcanic and tectonic activity, are used for heating and electricity production.



- ❖ Kinetic energy – it uses the power of waves to produce energy.



- ❖ Hydroelectricity - a hydroelectric power plant is used to convert the mechanical energy produced by water into electric energy.



GREEN ENERGY

"Save Earth! We have nowhere else to go!"

The benefits of green energy

- ✚ environment protection
- ✚ energy autonomy
- ✚ saving natural resources
- ✚ new jobs in related developing areas
- ✚ reducing the energy consumption
- ✚ reducing the amount of garbage and waste
- ✚ low costs of production
- ✚ less polluting or even non-polluting
- ✚ positive effects on our health
- ✚ preventing, in some cases, stress accumulation

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"The deepest level of understanding ecology refers to the fact that we are part of a great cosmic structure in our universe".

F. Capra, Physicist





What is an eco-job?

- ✚ Eco-jobs refer to all professions which produce environmental goods and provide services to protect the planet.
- ✚ Eco-jobs are meant to protect nature and to ensure a friendly relationship with our environment.
- ✚ Eco-jobs are all based on and promote sustainable development.

Types of eco-jobs

- Forest engineers (they preserve the forests, wildlife, soil and water resources)



ECO-JOBS

- Ecologists (these people have one basic principle: "All life on Earth is connected, and all living things must live in harmony.")



- Eco educators (teachers and volunteers who work for educating the young about their environment)



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- Biologists (they preserve biodiversity, they rescue and treat animals and they improve the ecosystems functionality)



- Eco-architects (they use modern techniques of building)



- Guides at the Museum of Natural History and at the Ethnographic Museums (they teach us how to respect nature and traditions)



- Eco farmers (they produce healthy products and food without chemicals)



- Landscaping specialist

ECO-JOBS

The benefits of the eco-jobs for nature and society

- ✚ Saving energy
- ✚ New and profitable jobs
- ✚ Protection of the biodiversity of land and water ecosystems



- ✚ Healthy environment, food and life
- ✚ Protecting the endangered species
- ✚ They are profitable
- ✚ They belong to a new lifestyle and to a new mentality – they are basically ecological and they are meant to save our planet

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