

GLOBAL WARMING

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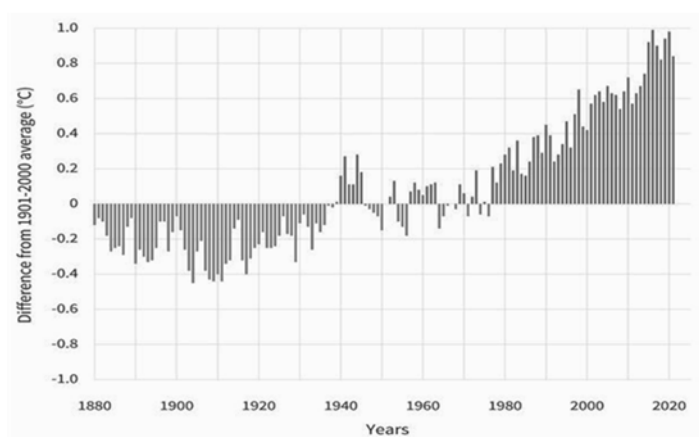
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Global warming is the problem that worries scientists all over the planet right now. It is the long-term increase of the planet’s overall temperature. Because of human beings the temperature has reached the highest level in more than 100 thousand years (“Climate change in Ukraine and the world: causes, consequences, and solutions to counteract”, 2022). This change has caused incredible damage to our planet.

Due to the rapid development of industry and technologies in the last century, people faced the problem of the greenhouse effect which causes climate change and affects the temperature. The great number of plants and transport causes excessive gas emissions and air pollution. There are a great number of thermal power plants. The real problem is the burning of fossil fuels to produce energy and heat generation. The average global temperature on Earth has already increased by 1.1°C since 1880 (“Climate change in Ukraine and the world: causes, consequences, and solutions to counteract”, 2022). If this continues, it will cause permanent consequences.

Graph 1. Global average surface temperature



The graph 1 shows yearly global temperatures from 1880-2021 compared to the twentieth-century average (“State of the Climate: Global Climate Report for 2021”, 2022). The direct consequence of the green effect is the warming of the

climate. Over forty years, the area of the glaciers has decreased by 1 million square miles (“Arctic Sea Ice Extent”, 2021). Numerous lands continue to slowly become submerged into the water, as a result of the rising of the sea level, which was caused by ice melting.

The other consequence is abnormally high temperature. During 2019-2020 the great fire engulfs Australia, this was accompanied by even greater carbon dioxide emissions. A significant number of animals and people were injured and left without their homes.

To solve this disaster people should take drastic measures. For instance, instead of using Thermal Power Station to produce energy, we have to change the main part of production to renewable energy systems, such as wind turbines, solar panels and Hydroelectric Power Station. It will help to reduce the release of CO₂ during fossil fuel combustion in power plants to avoid further increase in temperature on the Earth.

Taking everything into consideration, humanity needs to immediately ponder over solving such a problem as global warming, until it reaches a level where no one will be able to solve it. If we don't, people will be under the threat of extinction. Therefore, the best way to prevent the awful consequences of the greenhouse effect is to use green energy sources.

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