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CAUSES OF GLOBAL CLIMATE CHANGE AND MEASURES TO PREVENT IT

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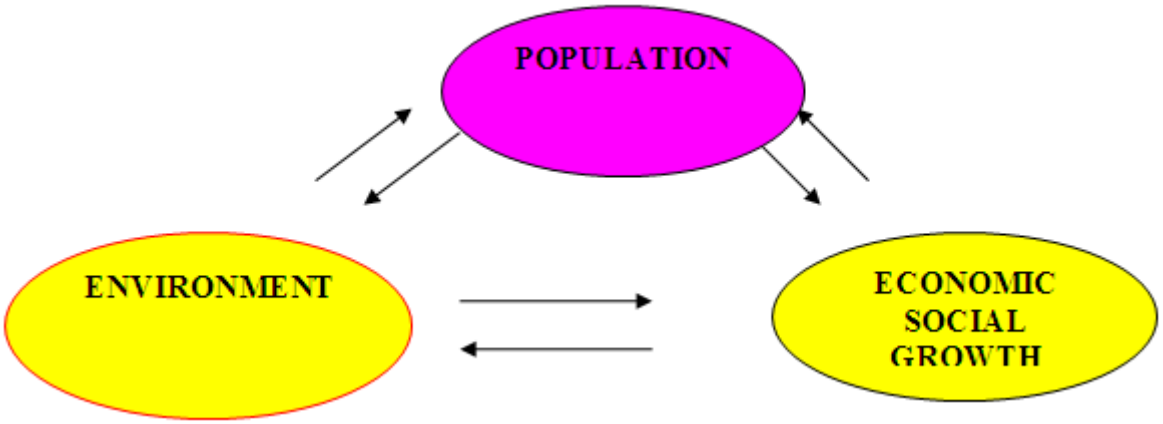
Annotation: In this article, information about the factors affecting global climate change, the countries that pollute the atmosphere the most with CO 2 gas, and local polluting factors is covered. Also, opinions are given about measures to fight global climate change in local conditions.

Keywords**:** the main factors affecting global climate change, population, economic and social development, environment, CO 2 gas, the impact of economically developed countries, local sources of atmospheric pollution, waste, burning of landfills, digging of ditches and rotted.

Nowadays, people all over the world, especially ecologists, are telling the world about global climate change and its negative consequences. Any global problem arises from the interaction of the following three factors, namely:



The continuous increase in the number of the world's population, the strong economic and social development of the world economy in the period of Revolution of Science and Technology, in turn, leads to an increasingly strong influence of the anthropogenic factor on the environment. If humanity used one billion tons of conventional fuel at the beginning of the 20th century , at the beginning of the 21st century this figure increased by 14 billion tons. In 2018, 7.8 billion t. coal, 4.5 billion tons. oil, 3.9 billion cubic meters [of] natural gas, 2.5 billion t. iron ore was mined and used. It is known that

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environmental pollution is divided into pollution in the atmosphere, hydrosphere and lithosphere. A billion tons of various chemical substances and compounds are released into the environment every year. In them, the atmosphere is especially polluted with CO_2 gas. The "top ten " countries that pollute the atmosphere the most with $CO_{2\ gas}$ are the following (2018):

1) China 6) Germany
2) USA7) Republic of Korea
3) India 8) Iran
4) Russia 9) Saudi Arabia
5) Japan10) Canada

10.9 billion t. from China ,5.1 billion t from the USA,2.5 billion from India, 1.7 billion t from Russia, 1.3 billion t. from Japan (2017) CO_2gas is being produced every year. 600-700 million tons of that gas spread into the atmosphere per year from the remaining 5 countries (2018). An increase in the amount of CO_2 gas in the atmosphere causes the strengthening of the " Greenhouse effect" on Earth , the lack of CO2 in the human body, as a result of which various diseases occur in the nervous and cardiovascular systems. causes changes in the gas content of the atmosphere and disturbance of the ecological balance on earth. It is known that there is no country that does not emit CO_2 gas into the atmosphere. This situation is a process that can be seen and solved internationally.Therefore,international conferences and meetings dedicated to global climate change are often held.

We asordinary citizens ,must do our part to prevent global climate change. For example, in all residential areas throwing garbage, trash , and rubbish increases during autumn , winter, and spring.Although these cases are constantly criticized in the mass media, such processes do not stop. So, among some of us, the ecological culture is not well formed, and propaganda work is not being carried out sufficiently. When Hazon is lit, its amount decreases in the atmosphere by first burning O_2 in the atmosphere, and secondly, the amount of CO_2 and other harmful gases in the atmosphere increases. The largest amount of CO_2 gas is released into the atmosphere when the waste products of the chemical industry (plastic, cellophane products, artificial fiber, artificial leather and etc.) are burned. Consequently , carbon dioxide (CO) and sulfur oxides (SO_2 , SO) are emitted. If we dig and bury those leavesat one end of our land (garden),organic compost "humus" is formed in the same place. Its economic efficiency is very high. If we constantly carry out practices among intellectuals, students and pupils in the neighborhood, in our homes and set an example for others. In that way, we will gradually teach the young people’s ecological culture. As a result , we would contribute to the solution of the global problem. As the most intellectual people of our society and students should be careful to this process. In conclusion , the French writer Antoine de SanJzyuperi quoted this metaphorical expression "We are all passengers of one ship called Earth". So we should not sit idly by as spectators.

References:

1. Isakov, Validjan, and Mohidil Yusupova. "CHANGES IN THE PROPERTIES OF SANDY SOILS: https://doi. org/10.47100/conferences. v1i1. 1376." RESEARCH SUPPORT CENTER CONFERENCES. No. 18.06. 2021.
2. Исаков, В. Ю., and М. А. Юсупова. "ГеНеТИКо-ГеоГРаФИчеСКИе оСобеННоСТИ ПеСчаНЫХ МаССИВоВ ФеРГаНСКоЙ ДоЛИНЫ." Научное обозрение. Биологические науки 3 (2021): 16-20.

ISSN: 2795-5621 Available: http://procedia.online/index.php/applied/index

3. ISAKOV, V., and U. MIRZAEV. "Dynamics of arzyk-shokh meadow sasa soils under influence of irrigation." Scientific journal of the Fergana State University 1.6 (2019): 47-50.
4. Abdunazarov, Lutfillo Mamanovich. "NAMANGAN REGION IS AN ECOTOURISTIC ZONE." *International Scientific and Practical Conference World science*. Vol. 4. No. 5. ROST, 2017.
5. Abdunazarov, Lutfillo, and Azamjon Jobborov. "Methodological approach to ecological researches in the condition of Covid-19." *European Journal of Molecular and Clinical Medicine* 7.2 (2020): 2904-2918.
6. Абдуназаров, Лутфилло Маманович. "ЭКОЛОГИК ТАЪЛИМ-ТАРБИЯДА ЭКОЛОГИК МАДАНИЯТ ТУШУНЧАСИ, МАЗМУНИ ВА МОҲИЯТИ." *ИННОВАЦИИ В ПЕДАГОГИКЕ И ПСИХОЛОГИИ* SI-2№ 9 (2020).
7. Abdunazarov, L. M., Sh A. Qambarova, and O. Q. Tobirov. "Markaziy Osiyo geografiyasi." (2017).
8. Saidakbarovich, Meliyev Muzaffar. "Ecological Features of Biogas Production." International Journal on Orange Technologies 3.3 (2021): 214-216.
9. Saidakbarovich, Meliyev Muzaffar. "Use and Protection of Water Resources." International Journal on Orange Technologies 3.3 (2021): 212-213.
10. Alisherovich, Akbarov G'olibjon, and Meliev Muzaffar Saydakbarovich. "Ecological Condition and Development Problems of Recreation Zones of Fergana Region." Web of Scientist: International Scientific Research Journal 3.4 (2022): 803-807.
11. Шоякубов, Р. Ш., and Р. Н. Муминова. "Биологическая очистка сточных вод гидролизных производств путем культивирования высших водных растений." *Узбекский биологический журнал* 5-6 (2002): 35-38.
12. Muminova, Ranohon, and Ro'zali Yoqubovich Ro'zmatov. "THE ROLE OF ALGAE IN WATER TREATMENT." *Scientific Bulletin of Namangan State University* 2.9 (2020): 96-100.