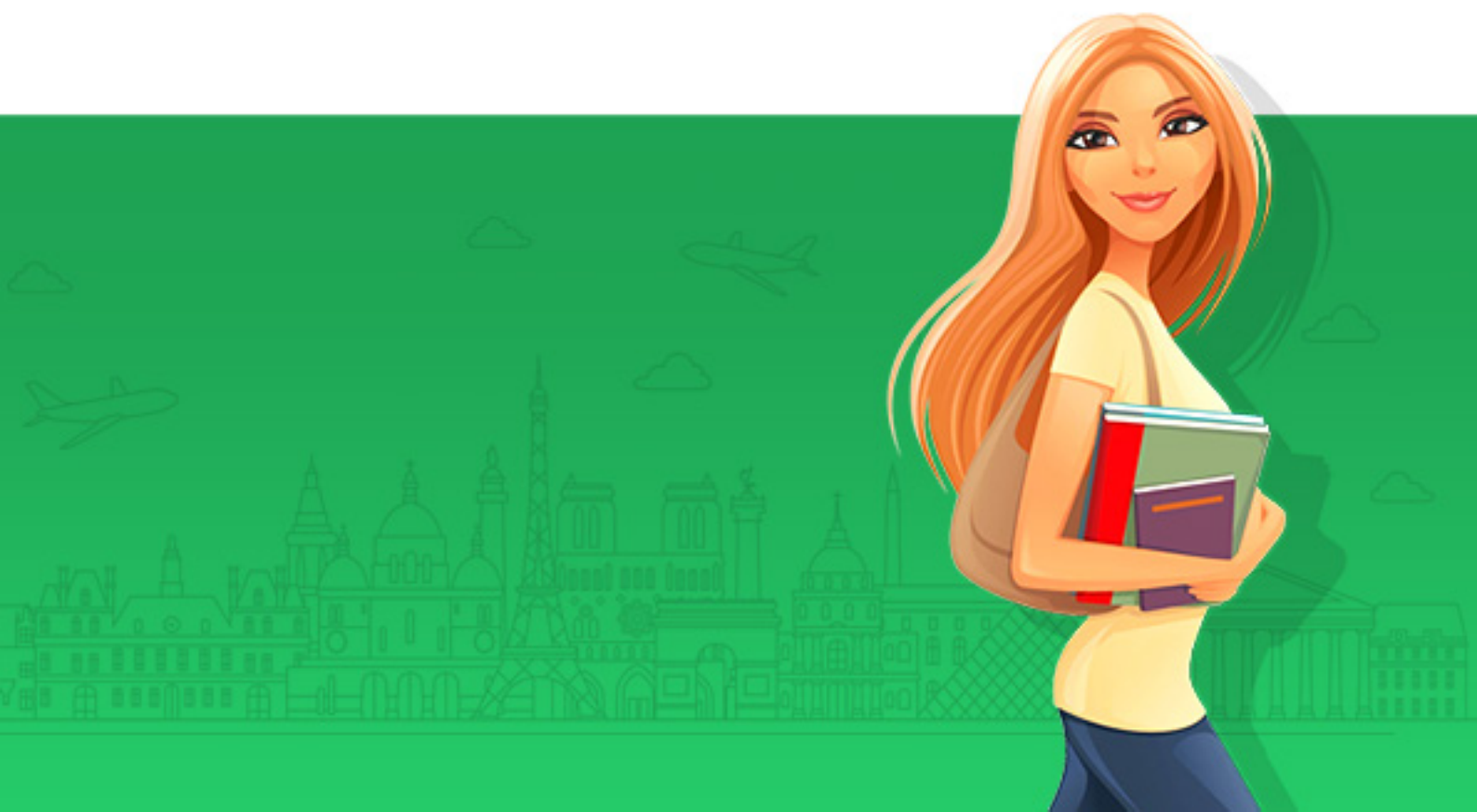




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A Letter To My Family About The Global Warming



Dear mother!

I am writing a letter to you because I want to share my thoughts and feelings considering one problem. Actually, it is not my own problem. Nevertheless, it is of great importance. The thing is that we have discussed the issue of global warming at college recently, and it made me think about it. I just understood how serious this problem is and what its consequences can be.

You know, the problem of global warming is of great importance nowadays. One should not be a scientist or a researcher to understand it. Ordinary people feel that summer becomes hotter every year, and the facts plus data, gathered by different scientists only prove that global warming is a serious problem. When people began to notice that climate changed, they tried to take first steps in order to do something about this problem. First of all, United Nations created a special group of scientists, who work on finding the reasons of global warming and monitor every change of climate.

Scientists divide the reasons of global warming into two groups. They are natural and human causes. Scientists refer ocean current, volcanic eruptions, Earth's orbital changes, and solar variations to natural causes. The essence of ocean current lies in the changes of water temperatures, which influence the climate. Volcanic eruptions vent a large number of dust, gases, and ash into the atmosphere, warming its temperature. The tilt of Earth's orbit also changes every year. Although these changes are invisible, they influence the strength of the seasons. Solar variations, undoubtedly, change the climate. Nevertheless, scientists are not sure whether they influence global warming. They confirm that in order to



influence global warming, all layers of atmosphere should have increased temperature. However, every layer still has different temperatures. This fact does not give a possibility for scientists to confirm that the Sun has direct influence on global warming.

The second type of reasons for global warming is of human nature. The first reason made by humanity, which scientists are absolutely sure about, is greenhouse gases. These gases are carbon dioxide, methane, nitrous oxide, and chlorofluorocarbons. The most widespread gas among them is carbon dioxide. Nevertheless, other gases are also dangerous because they produce from 20 to 300 more warmth than carbon dioxide. The source of these gases can be found everywhere – they are produced due to large amounts of fossil fuel burnings, industrial activities, wrong use of land resources, and even due to desire of every individual to heat his house and drive a car.

One more reason, which worsens the situation, is deforestation. People cut woods for number of aims, but they do not care very much about forest regeneration. It is a real problem because we lack the material, which converts harmful carbon dioxide into oxygen.

Although global warming is observed in every country of the world, the brightest example, which shows its effects, is China. The facts show that China takes the first place in producing carbon dioxide in the world. Actually, it is understandable. The popularity of this country is more than 1.3 billion people. One can only imagine what amount of different sources this country needs to provide people with good living standards. Nevertheless, the desire for better life



leads to terrible changes. Thus, improvement in energy efficiency in China caused increase in energy demand, and electricity is one of the sources that produces a great amount of greenhouse gases. It makes China the leader among contributors to global warming. Certainly, the government of the country thinks about the ways to eliminate possible reasons of global warming, nevertheless, it will be difficult to cope with this problem taking into account the scales of the country.

Still, humanity has no other choice except searching for solutions of this problem because if we do nothing, we may face terrible consequences, which will threaten our life. Even now scientists speak about these consequences. Some of them are noticeable at the present time. First of all, scientists confirm that the average temperature all over the world increased up to 0.8 degree Celsius. This increase causes the following occurrences: ice is melting, animals move from their usual habitats, sea level rises, and precipitation increases. We notice these effects now. Nevertheless, scientists expect other occurrences appear in the nearest decades. They are sure that ice melting will continue and it will lead to the following sea level rise. They also suppose that such natural disasters as hurricanes and storms will become more frequent and stronger. Moreover, droughts and floods will become more common. One more possible consequence is vanishing of some species of insects; scientists say that plants will bloom earlier than the insects, which pollinate them, and become active. It will be a reason for ecosystem change and here are two possible scenarios: either some species will move to another part of the world, or they will become extinct. One more consequence of global warming, which is possible to appear according to scientists, is development



of diseases.

Having analyzed this problem, its reasons, its current and possible consequences, I thought whether humanity is able to do anything in order to solve this problem. Certainly, the first thing that came to my mind, was that it is the problem, which should be solved on the governmental level. I thought that government should arrange industries of the countries in that way to eliminate harmful emissions, to use nature-friendly resources in the process of manufacture, to change the sources of energy and so on. On the one hand, it is really the problem, which should be solved on the highest level. The reasons for it are the following: first of all, providing the measures, which will help to solve the problem of global warming, requires a lot of money. Just imagine how much it will cost to reequip the plants and factories; to change cars, which work on fossil fuel, on another kind of energy. The second challenge, which can be faced while solving this problem, is time. No one knows how long it will take to change the system we got used to. One more point that can be solved by the governments is to pass bills in order to provide necessary changes.

At first it seemed to me that in order to solve the problem of global warming, one should rely on the government. But then the second thought came to my mind, and I realized that it was not exactly correct. The desire to change the world and to make life better should come from every person of the village, town, country, continent, and the whole world. I suddenly understood that this problem is not the one of some government, but it is the problem of humanity. Hardly any government will be able to do something about any problem if the population of the country does not want



any changes. That is why I thought that if we want to save our planet and protect our life, we should start from ourselves. Every person should refuse from driving fossil-fuel cars, propose different ways of problem solutions at the work places, and create voluntary organizations in order to persuade others to make something to cope with the problem of global warming. If every person understands the problem and wants to solve it, humanity will be able to save the planet and make life on our planet better.

