



TOOL

Climate Changes. Causes and Effects



Title : Climate Changes.
Causes and Effects

Developed by : European
Commission

Topics : Global
warming

Website : [https://climate.ec.europa.eu/
climate-change_en](https://climate.ec.europa.eu/climate-change_en)

Description

Humans are increasingly affecting the climate and the temperature of the planet by burning fossil fuels, cutting down rainforests and expanding livestock farming. This overview is about the main effects of climate change. By understanding the information gathered, we can help children to understand both what factors affect global warming, and also how we can reduce human influence on the climate.

Duration

Differs
depending on
chosen format

Resources needed

To use the materials we need:

- Computer
- Internet connection

Age

Middle School: 10 to
14 years old

Relevance to CRISEPAC Objectives

The resource is relevant to the CRISEPAC objectives, because it contains information about global warming, what are the main factors that increase global warming and basic risks that come out of global warming.

Expected outcomes

This material helps to understand:

- What is global warming and greenhouse gases?
- What are the main reasons of increasing greenhouse gases in the atmosphere?
- What are the main problems caused by global warming?
- How global warming affects both our inhabited areas and everyday business and work?

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Management

The teacher can ask to prepare a short synopsis on the topic, for example, what are the main reasons why greenhouse gases occur, how global warming affects the environment and territories, how global warming affects business. The class can be divided into several small groups and each of them can be assigned the following small task.

Risk prevention

Students can understand the main ways in which greenhouse gases are produced and how they themselves can limit their production.

Others

Weaknesses

- Very short;
- If you need additional information, you have to look elsewhere;
- It should be supplemented with visual materials.

Strengths

A simple material that can easily be used to teach children about the causes and effects of global warming. The material does not need to be adjusted and can be used immediately. Material can be used in English or other language for providing an interdisciplinary learning approach.

Possible adaptations

You can use this material when teaching Geography or any language. It can be combined with other materials, complemented by pictures and infographics.

Climate change

Global warming is a critical aspect of climate change, referring specifically to the long-term increase in Earth's average surface temperature due to heightened levels of greenhouse gases in the atmosphere, which leads to various environmental changes and impacts.

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Methodologies

The website can be used in lessons where the teacher talks about the human impact on the climate around the world. Students can get information about two blocks: causes of climate change, consequences of climate change. In this way, they can learn about how their actions and those around them can affect climate change and why it is important.

**More information : EUROPEAN COMMISSION - DG Climate Action
B-1049, BRUSSELS**