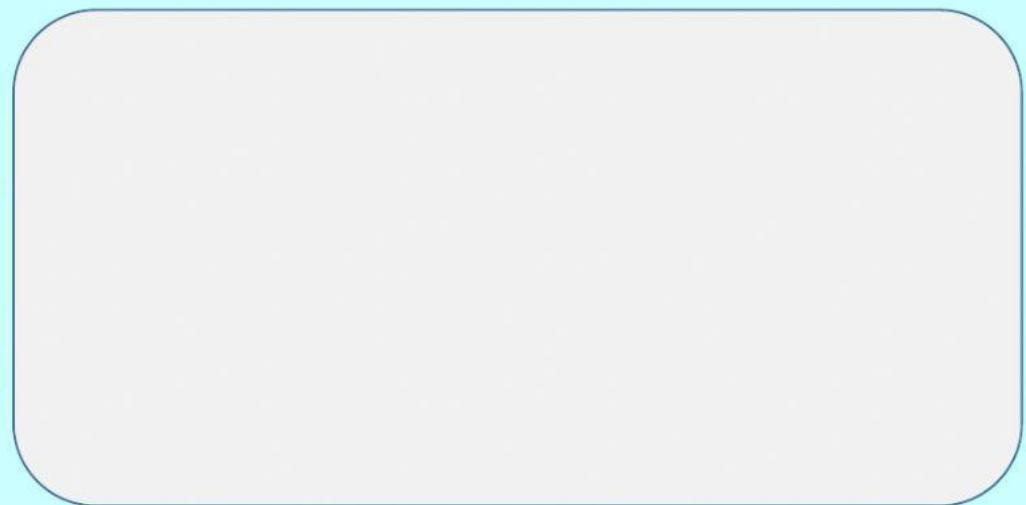


# Causes and Effects of Climate Change

**National Geographic**



Watch the video and then fill in the missing words.

Human activities from \_\_\_\_\_ to overpopulation are driving up the Earth's temperature and fundamentally changing the world around us. The main cause is a phenomenon known as the \_\_\_\_\_. Gases in the atmosphere, such as \_\_\_\_\_, carbon dioxide, methane, nitrous oxide, and chlorofluorocarbons let the sun's light in, but keep some of the \_\_\_\_\_ from escaping, like the glass walls of a greenhouse. The more greenhouse gases in the atmosphere the more heat gets trapped strengthening the greenhouse effect and increasing the earth's \_\_\_\_\_.

Human activities, like the burning of \_\_\_\_\_ have increased the amount of CO<sub>2</sub> in the atmosphere by more than a third since the Industrial Revolution. The rapid increase in greenhouse gases in the atmosphere has warmed the planet at an alarming rate. While Earth's climate has fluctuated in the past, atmospheric carbon

dioxide hasn't reached today's levels in hundreds of thousands of \_\_\_\_\_.

Climate change has consequences for our \_\_\_\_\_, our weather, our food sources and our \_\_\_\_\_. Ice sheets such as \_\_\_\_\_ and Antarctica are melting. The extra water that was once held in glaciers causes sea levels to rise and spills out of the oceans, flooding coastal regions. Warmer temperature also make \_\_\_\_\_ more extreme. This means not only more intense major storms, floods and heavy snowfall but also longer and more frequent droughts. These changes in weather pose challenges. Growing crops becomes more difficult. The areas where plants and animals can live shift and water supplies are \_\_\_\_\_.

In addition to creating new agricultural challenges, \_\_\_\_\_ change can directly affect people's physical health. In urban areas, the warmer atmosphere creates an environment that traps and increases the amount of \_\_\_\_\_. This is because smog contains ozone particles, which increase rapidly at higher temperatures. Exposure to higher levels of smog can cause health problems, such as \_\_\_\_\_, heart disease and lung cancer. While the rapid rate of climate change is caused by humans, humans are also the ones who can combat it. If we work to replace fossil fuels with \_\_\_\_\_ energy sources like \_\_\_\_\_ and \_\_\_\_\_ which don't produce greenhouse gas emissions, we might still be able to prevent some of the worst effects of climate change.

