## 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
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Human activities, like the burning of have increased
the amount of CO2 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
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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.

