

Geography Knowledge Map - Spring 2- Climate Change

Knowledge and understanding

- Each year the amount of carbon dioxide in the atmosphere is increasing, contributing to global warming.

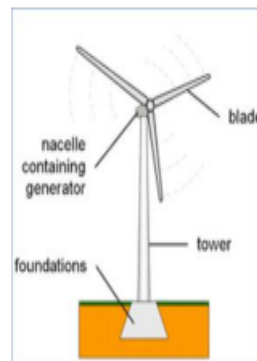
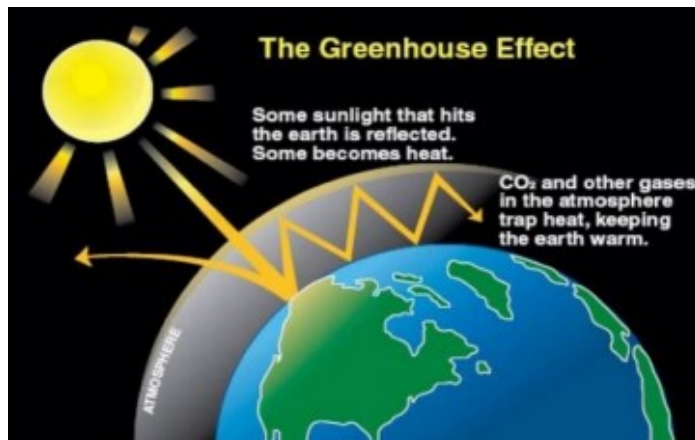
The world's average temperature has increased by 0.9°C over the last 100 years which is having significant effects and causing more extreme weather worldwide

- Global warming is causing ice sheets, sea ice and glaciers around the North Pole and South

Pole

and in high mountain ranges to melt.

- Fossil fuels are the main source of carbon dioxide emissions, which, along with other



vocabulary

1	atmosphere	the layer of gases that surrounds Earth
2	carbon dioxide (CO ₂)	a gas that is formed by burning fuels and by the act of breathing and that is absorbed from the air by plants
3	climate	an area's long-term weather patterns
4	fossil fuels	fuels that come from very old life forms such as coal, petroleum, and natural gas
5	global warming	the increase in Earth's average temperature over a long period of time
6	greenhouse gases	gases in Earth's atmosphere that trap heat
7	greenhouse effect	Warming of the earth caused by the trapping of the sun's energy by greenhouse gases

Renewable	Non-renewable
Wind power	Coal
Hydro-electric power	Natural gas
Wave & tidal energy	Oil
Solar power	Nuclear power
Geothermal energy	

