

Climate Change Dictionary

Key term	Definition
Climate change	
Drought	
Emit/emission	
Famine	
Fossil fuels	
Global warming	
Greenhouse effect	
Greenhouse gases	
Hydrocarbon	
Ice age	
Long wave radiation (energy)	
Mitigate / mitigation	
Orbit geometry	
Quaternary Period	
Renewable energy	
Sea level rise	

Sediment or ice core	
Short wave radiation (energy)	
Solar output	

Climate Change

- 1) What is the Quaternary Period?
- 2) What is the evidence for climate change over the Quaternary Period? Studying changing temperatures using pollen in sediment cores, gas bubbles in ice cores and oxygen isotopes in ocean sediments.
- 3) The causes of climate change:
 - a. natural (physical) factors such as orbit geometry, axis tilt, volcanic eruptions and solar output
 - b. human factors such as deforestation, agriculture and burning fossil fuels.
- 4) Draw a diagram to show how the greenhouse effect works and how man is adding more greenhouse gases to the atmosphere causing global warming.
- 5) The importance and sources of different gases causing global warming.
- 6) The effects of global warming and climate change. Examples of the effects of rising temperatures on people and the environment. Effects include glacier retreat and rising sea levels, storms, floods, droughts, famines, disease risk, habitat loss etc.
- 7) Managing climate change with mitigation – including renewable energy, carbon capture and storage, afforestation and international agreements.
- 8) Managing climate change with adaptation – including changing agriculture, managing water shortages, coping with rising sea levels.