1
00:00:01,000 --> 00:00:06,000
Climate change refers to long-term changes in temperature, precipitation, and weather patterns.

2
00:00:06,500 --> 00:00:12,000
It is primarily caused by human activities such as burning fossil fuels, deforestation, and industrial emissions.

3
00:00:12,500 --> 00:00:18,000
The greenhouse effect plays a major role, where gases like CO_2 trap heat in the Earth's atmosphere.

4
00:00:18,500 --> 00:00:24,000
Global temperatures have risen by about 1.2°C since pre-industrial times, leading to ice caps melting and sea levels rising.

5
00:00:24,500 --> 00:00:30,000
Rising sea levels threaten coastal cities, leading to displacement of populations and loss of habitat.

6
00:00:30,500 --> 00:00:36,000
Extreme weather events such as hurricanes, droughts, and wildfires have become more frequent due to climate change.

7
00:00:36,500 --> 00:00:42,000
Efforts to combat climate change include reducing carbon emissions, shifting to renewable energy, and conservation projects.

8
00:00:42,500 --> 00:00:48,000
International agreements such as the Paris Agreement aim to limit global warming to below 2°C.

9
00:00:48,500 --> 00:00:54,000
Sustainable development and green technologies play a crucial role in mitigating climate change.

10
00:00:54,500 --> 00:01:00,000
Everyone can contribute by reducing waste, using public transport, and supporting eco-friendly initiatives.