



Teachers' Resource

Use these teachers' resources with the book '50 Essential Facts about Climate Change' – where you will find more details about climate change.

Discussion Cards: Climate Change

Card 1: What are the problems?

- Who is responsible for Global Warming
- Greenhouse Gases
- The importance of Oceans
- What's going on at the North and South Poles

Card 2: Working Together

- How do we protect the planet
- Community Challenges
- Protecting animal species
- How can young people contribute to saving the planet

Card 3: Who can help us?

- Climate Research Organisations
- Check out the science.
- Follow your passions
- Encourage politicians to take responsibility

Card 4: Individual Activity

- Decide what you believe in
- Understand and enjoy nature
- Recycle and Reuse
- Reduce your carbon footprint

Card 5: Goals

- Do your best in education
- Don't get into arguments
- Inform others of local action
- Inform people of good news stories

Climate Change Vocabulary Activity

Vocabulary List (15 Words)

Word	Definition
Climate	The average weather conditions in a particular area over a long period of time.
Global warming	The gradual increase in the Earth's temperature caused by greenhouse gases.
Greenhouse gases	Gases like CO ₂ and methane that trap heat in the Earth's atmosphere.
Carbon footprint	The total amount of greenhouse gases produced by human actions.
Fossil fuels	Energy sources like coal, oil, and natural gas formed from ancient organisms.
Deforestation	The cutting down of forests, usually for farming or development.
Renewable energy	Energy from sources that won't run out, like the sun or wind.
Pollution	Harmful substances added to the environment, especially air and water.
Sea level rise	An increase in the average height of the ocean, often caused by melting ice.
Extreme weather	Unusual and severe weather events like hurricanes or droughts.
Ecosystem	A community of living things and their environment working together.
Biodiversity	The variety of life in a particular habitat or on Earth as a whole.
Sustainability	Using natural resources in a way that they can be maintained for the future.
Emissions	The act of releasing gases, especially from engines or factories.
Recycle	To process materials so they can be used again, reducing waste.

Climate Change Activity

Instructions: Fill in the blanks with the correct vocabulary word from the list above. Each word is used once.

1. Burning _____ like coal and oil adds greenhouse gases to the atmosphere.
2. One way to reduce your _____ is to bike instead of drive.
3. _____ such as solar and wind energy do not run out and are better for the planet.
4. The destruction of forests through _____ harms animals and increases CO₂ levels.
5. _____ refers to the rise in the Earth's average surface temperature.
6. The polar ice caps are melting, causing _____ around the world.
7. Cutting back on harmful gas _____ is essential to fight climate change.
8. A healthy _____ includes plants, animals, and non-living elements working together.
9. We must protect _____ to preserve all forms of life.
10. When people _____ plastic bottles, those materials can be reused.
11. The increase in _____ like CO₂ contributes to the greenhouse effect.
12. _____ events such as floods and wildfires are becoming more common.
13. To achieve _____, we must balance our needs with nature's limits.
14. _____ can poison rivers, harm animals, and make air unsafe to breathe.
15. The _____ in the Arctic is changing quickly, affecting local species.