

Climate Change

Discussion Topic Pack

A warm-up, vocabulary, and graded discussion questions for talking about **Climate Change**.

Name _____ Class _____ Date _____ Score _____

Warm-up: What's your favorite season and why?

1 · Vocabulary

Word	Meaning	Example
emissions	Gases released into the atmosphere, especially from human activities	<i>The factory reduced its emissions after the new regulations were introduced.</i>
sustainable	Able to be maintained without harming the environment	<i>We need to find sustainable ways to grow food for a growing population.</i>
renewable	Energy sources that can be replenished naturally	<i>Solar and wind power are renewable alternatives to coal.</i>
carbon footprint	The total amount of greenhouse gases caused by an individual or organization	<i>Traveling by train instead of flying can lower your carbon footprint.</i>
mitigation	Efforts to reduce or prevent the emission of greenhouse gases	<i>Planting trees is a common mitigation strategy to absorb CO₂.</i>
adaptation	Adjusting practices to cope with climate change impacts	<i>Building flood defenses is an example of climate adaptation.</i>
fossil fuels	Energy sources formed from ancient organic matter, such as coal, oil, and gas	<i>Many countries still rely heavily on fossil fuels for electricity.</i>
greenhouse gases	Gases that trap heat in the atmosphere, warming the planet	<i>Methane and carbon dioxide are the most prevalent greenhouse gases.</i>

2 · Discussion Questions

Take turns asking and answering — try to give a full answer, not just yes or no.

- 1 How does the weather in your hometown change during different seasons?
- 2 Have you noticed any changes in the climate where you live over the past few years?
- 3 What do you usually do to reduce your personal impact on the environment?
- 4 How do you think your community could become more environmentally friendly?
- 5 What are the main sources of greenhouse gases in your country?
- 6 Why is it important to shift from fossil fuels to renewable energy?
- 7 What challenges do governments face when implementing climate mitigation policies?
- 8 How can individuals contribute to climate adaptation in their daily lives?
- 9 Do you think economic growth can be compatible with sustainable development? Why or why not?
- 10 If you could design a global plan to combat climate change, what key measures would you include?

3 · Extension

Try this: Role-play: One student acts as a city council member proposing a new plan to cut carbon emissions, while another plays a skeptical resident. Conduct a short debate presenting arguments and responding to concerns.