Introduction to Global Warming

What is Global Warming?	
	ong-term rise in Earth's average surface temperature, primarily caused by greenhouse gases, such as carbon dioxide and methane, into the atmosphere.
Activity 1: Matching Game	
Activity 1. Matering Game	
Match the following terms with	n their definitions:
Global WarmingGreenhouse EffectCarbon CycleCoral Bleaching	
Definitions:	
planetThe gradual increase in human activitiesThe process by which cannot be activitied.	ertain gases in Earth's atmosphere trap heat, leading to the warming of the the overall temperature of the Earth's atmosphere, primarily caused by arbon is exchanged between the atmosphere, oceans, land, and living things algal symbionts and turn white due to stress, often caused by rising sea

The Carbon Cycle and its Importance

The carbon cycle is iving things.	the process by which	n carbon is excha	nged between the a	atmosphere, oceans	s, land, and
activity 2: Diagra	n Completion				
Activity 2: Diagra	m Completion m of the carbon cycl	le by filling in the	missing componer	nts:	
	<u> </u>	le by filling in the		 its:	
	<u> </u>	_		ts:	

Effects of Global Warming on the Great Barrier Reef

	es coral bleaching, as warn he coral's tissue, turning th			pulsion of the
Activity 3: Short An	swer Question			
	swer Question ects of global warming on	the Great Barrier Reef:	,	
		the Great Barrier Reef:	· · · · · · · · · · · · · · · · · · ·	
Activity 3: Short An What are the main eff		the Great Barrier Reef:)	

Rising Sea Levels and Geological Changes

threatening the habitats of numerous species and human communities that depend on these ecosystems.
Activity 4: Case Study
Read the case study on the impact of rising sea levels on a coastal community and answer the following questions:
What are the main effects of rising sea levels on the community?
What actions can be taken to mitigate these effects?

Sustainable Practices to Mitigate Global Warming

transport, carpoo	tribute to reducing global warming by adopting sustainable practices, such as using publ ng, or driving electric vehicles, reducing energy consumption, eating a plant-based diet, an that promote renewable energy and conservation.
supporting poner	
Activity 5: Post	r Creation
Create a poster o	r Creation sustainable practices to mitigate global warming. Include at least 5 practices and explain reduce carbon footprints.
Create a poster o	sustainable practices to mitigate global warming. Include at least 5 practices and explain

Activities and Questions

	statement: "Rising sea levels pose the most significant threat to coastal communities n." Prepare arguments for or against the statement and participate in a class debate.
Activity 7: Resear	n Project
esearch and create	n Project a presentation on a specific aspect of global warming, such as its impact on marine life f renewable energy sources.
	a presentation on a specific aspect of global warming, such as its impact on marine lif

Case Study: The Great Barrier Reef

	er Reef is one of the most biologically diverse ecosystems on the planet, providing habitat for pecies of fish, coral, and other marine life.
Activity 8: Re	flection
Activity 0. Itc	
Reflect on wha	t you have learned about the Great Barrier Reef and global warming. What actions can you ta the effects of global warming on the reef?
Reflect on wha	

Conclusion

Conclusion	
In conclusion, global warming is a complex and multifaceted issue that requires immediate attention and action. By understanding the carbon cycle, the effects of global warming on the Great Barrier Reef, and the importance of sustainable practices, we can work towards reducing our carbon footprint and mitigating th impacts of global warming.	

Glossary

Glossary

- Global Warming: The gradual increase in the overall temperature of the Earth's atmosphere, primarily caused by human activities
- Greenhouse Effect: The process by which certain gases in Earth's atmosphere trap heat, leading to the warming of the planet
- Carbon Cycle: The process by which carbon is exchanged between the atmosphere, oceans, land, and living things
- Coral Bleaching: When corals expel their algal symbionts and turn white due to stress, often caused by rising sea temperatures