



## Accelerated Carbon Emissions Post-Pandemic Rise

### Description

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After the lockdowns due to the covid-19 pandemic, many countries planned to help the environment while rebuilding their economies. However, greenhouse gas emissions have increased instead of decreasing. In 2023, emissions went up by 1.3%, reaching 57.1 gigatonnes of carbon dioxide equivalent. This is a faster rate of growth compared to the period before the pandemic. We are close to the 2019 peak of 59.1 gigatonnes.

All kinds of emissions, except for land use, are going up as economies recover from covid-19. Emissions from things like road transport, oil and gas leaks, and industries have grown quickly. Aviation emissions have increased by 19.5%. This means we are running out of time to prevent serious climate change.

Countries need to make stronger plans to reduce emissions immediately to try to reach the goal of limiting warming to 1.5°C. Despite the challenges, we must keep working towards a sustainable world.

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## Vocabulary List:

1. **Emissions** /ɪ'mɪʃ.ənz/ (noun): The act of releasing something especially gas or radiation into the atmosphere.
2. **Equivalence** /ɪ'kwɪv.ə.ləns/ (noun): The condition of being equal in value worth or significance.
3. **Sustainable** /sə'steɪ.nə.bəl/ (adjective): Able to be maintained at a certain rate or level without depleting resources.
4. **Challenge** /'tʃæl.ɪndʒ/ (noun): A difficult task or situation that requires effort and determination.
5. **Climate** /'klaɪ.mət/ (noun): The weather conditions prevailing in an area over a long period.
6. **Limit** /'lɪm.ɪt/ (verb): To set or serve as a limit to; restrict or confine.

## Comprehension Questions

### Multiple Choice

1. What percentage did greenhouse gas emissions increase by in 2023?

Option: 0.5%  
Option: 1.3%  
Option: 2.7%  
Option: 3.9%

2. Which sector saw a decrease in emissions during the post-covid recovery period?

Option: Road transport  
Option: Land use



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Option: Oil and gas leaks

Option: Industries

3. By how much did aviation emissions increase?

Option: 7.3%

Option: 11.9%

Option: 15.5%

Option: 19.5%

4. What is the main goal that countries are trying to reach in terms of limiting warming?

Option: 2.0°C

Option: 2.5°C

Option: 1.5°C

Option: 1.0°C

5. What was the peak amount of greenhouse gas emissions in 2019?

Option: 57.1 gigatonnes

Option: 59.1 gigatonnes

Option: 60.5 gigatonnes

Option: 62.0 gigatonnes

6. In which year did greenhouse gas emissions reach 57.1 gigatonnes?

Option: 2020

Option: 2021

Option: 2022

Option: 2023

### **True-False**

7. Greenhouse gas emissions decreased during the post-covid recovery period.

8. Aviation emissions remained constant during the pandemic.

9. Land use emissions have increased along with other sectors.

10. Countries are not concerned about reaching the 1.5°C warming limit.

11. The current rate of emissions growth is slower than pre-pandemic levels.



12. Serious climate change can be prevented without immediate action.

### Gap-Fill

13. Greenhouse gas emissions reached \_\_\_\_\_ gigatonnes in 2023.

14. Aviation emissions increased by \_\_\_\_\_ % during the post-covid recovery period.

15. The 2019 peak emission amount was \_\_\_\_\_ gigatonnes.

16. Countries aim to limit warming to \_\_\_\_\_ °C.

17. Emissions from road transport, oil and gas leaks, and industries have grown \_\_\_\_\_.

18. To prevent serious climate change, countries need to make stronger plans to reduce emissions

\_\_\_\_\_.

### Answer

**Multiple Choice:** 1. 1.3% 2. Land use 3. 19.5% 4. 1.5°C 5. 59.1 gigatonnes 6. 2023

**True-False:** 7. False 8. False 9. True 10. False 11. False 12. False

**Gap-Fill:** 13. 57.1 14. 19.5 15. 59.1 16. 1.5 17. quickly 18. immediately

## Vocabulary quizzes

### Multiple Choice ( Select the Correct answer for each question. )

1. Which process involves the transfer of signals from one point to another?

Option: Harvesting

Option: Transmission

Option: Grooming

Option: Emissions

2. Which term refers to something made by humans and not occurring naturally?

Option: Conversion

Option: Efficient

Option: Scattered



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Option: Artificial

3. What does the term "demographics" refer to in a specific area or among a group of people?

Option: Changes

Option: Era

Option: Population

Option: Equivalence

4. What is the action of informing someone about something officially?

Option: Limit

Option: Regulate

Option: Notification

Option: Assistance

5. Which term is related to the process of preparing someone or something for a particular purpose or function?

Option: Directed

Option: Inappropriately

Option: Targeted

Option: Grooming

6. What constitutes the long-term pattern of temperature humidity and precipitation in an area?

Option: Challenge

Option: Climate

Option: Harmful

Option: Platforms

7. What are physical substances used to make things like wood metal or fabric called?

Option: Incidents

Option: Materials

Option: Applications

Option: Transmission

8. Which term describes the ability to accomplish a task with minimal waste or effort?

Option: Emissions

Option: Sustainable

Option: Generation

Option: Efficient

9. What are specific occurrences or events especially suspected or undesirable ones called?

Option: Incidents

Option: Transmission

Option: Era



Option: Changes

10. Which term refers to the different systems or technologies that support a particular application?

Option: Equivalence

Option: Notification

Option: Generation

Option: Platforms

**Gap-Fill ( Fill in the blanks with the correct word from the vocabulary list. )**

11. The Industrial Revolution was a period of significant change in the \_\_\_\_\_.

12. The primary purpose of a passport is to \_\_\_\_\_ a person.

13. GPS technology allows us to \_\_\_\_\_ the location of vehicles in real-time.

14. Laws and regulations are put in place to \_\_\_\_\_ certain industries.

15. The \_\_\_\_\_ of electricity from renewable sources is crucial for a sustainable future.

16. Language barriers can be overcome with the help of professional \_\_\_\_\_ services.

17. Proper \_\_\_\_\_ of resources is essential for a project to succeed.

18. Speed limits are implemented to ensure road safety and \_\_\_\_\_ accidents.

19. During emergencies people often require immediate medical \_\_\_\_\_.

20. Exposure to certain chemicals can have \_\_\_\_\_ effects on human health.

**Matching Sentences ( Match each definition to the correct word from the vocabulary list. )**

21. The leaves were all over the yard after the windstorm.
22. The coach the team to focus on defense during the final minutes of the game.
23. The marketing campaign was specifically at young adults interested in fitness.
24. Using renewable energy sources is crucial for a future.
25. In mathematics the principle of states that two things are equal in value.



26. Overcoming obstacles and difficulties is a common in life.
27. An official was sent to all employees regarding the upcoming company meeting.
28. The software has various practical for both personal and business use.
29. The constant evolution of technology brings about significant in our daily lives.
30. A was issued to residents warning them of the approaching hurricane.

## Answer

**Multiple Choice:** 1. Transmission 2. Artificial 3. Population 4. Notification 5. Grooming 6. Climate 7. Materials 8. Efficient 9. Incidents 10. Platforms

**Gap-Fill:** 11. Era 12. Identify 13. Track 14. Regulate 15. Generation 16. Translation 17. Organization 18. Limit 19. Assistance 20. Harmful

**Matching sentence:** 1. Scattered 2. Directed 3. Targeted 4. Sustainable 5. Equivalence 6. Challenge 7. Notification 8. Applications 9. Changes 10. Notification

## CATEGORY

1. Sci/Tech - LEVEL2

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