



Accelerated Carbon Emissions Post-Pandemic Surge

Description

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After the covid-19 pandemic lockdowns, countries aimed to rebuild their economies in a way that helps the environment. However, global greenhouse gas emissions have actually increased since then. In 2023, emissions went up by 1.3%, reaching 57.1 gigatonnes of carbon dioxide equivalent. This growth rate is higher than in the years before the pandemic. Currently, global emissions are close to the 2019 peak of 59.1 gigatonnes. All sources of emissions, except land use, have shown an increase. For instance, emissions from road transport, leaks from oil and gas infrastructure, and industrial emissions have risen rapidly.

The United Nations Global Environment Programme reported that the rise in emissions is making it harder to prevent severe climate change. Inger Anderson, from the UNEP, emphasized the urgency for countries to take immediate action to reduce emissions. Despite the challenges, Anderson believes that achieving the goal of limiting global warming is still possible if nations commit to bold plans and start implementing them right away.

Countries are expected to present new climate plans by February, ahead of the COP30 climate conference in November. These plans will outline how each country intends to reduce emissions by 2035.

It is crucial for countries to set ambitious targets and work together towards a sustainable future, even if achieving the 1.5°C goal becomes increasingly difficult. Anderson stressed the importance of striving for a net-zero world for the well-being of the planet.

Topics: Climate Change, Greenhouse Gas Emissions, Global Warming

Vocabulary List:

1. **Emissions** /ɪ'mɪʃənz/ (noun): The act of releasing something especially gas or radiation into the atmosphere.
2. **Greenhouse** /'ɡri:n.haʊs/ (noun): A building with glass walls and a glass roof used for growing plants in controlled conditions; also refers to gases that trap heat in the atmosphere.
3. **Sustainable** /sə'steɪ.nə.bəl/ (adjective): Able to be maintained at a certain rate or level; capable of being continued without depleting resources.
4. **Climate** /'klaɪmət/ (noun): The weather conditions prevailing in an area in general or over a long period.
5. **Urgency** /'ɜ:r.dʒən.si/ (noun): Importance requiring swift action; the state of being urgent.
6. **Targets** /'tɑ:rgɪts/ (noun): Goals or objectives that are aimed for often in terms of performance or achievement.

Comprehension Questions

Multiple Choice



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1. What caused the increase in global greenhouse gas emissions in 2023?
 - Option: Rebuilding economies after the covid-19 pandemic
 - Option: Reduction in industrial activities
 - Option: Decline in road transport emissions
 - Option: Enhanced land use practices

 2. Which of the following has NOT shown an increase in emissions according to the text?
 - Option: Land use practices
 - Option: Road transport emissions
 - Option: Leaks from oil and gas infrastructure
 - Option: Industrial emissions

 3. What is the primary focus of Inger Anderson from the UNEP regarding emissions reduction?
 - Option: Immediate action
 - Option: Long-term planning
 - Option: International cooperation
 - Option: Scientific research

 4. When are countries expected to present new climate plans?
 - Option: December
 - Option: April
 - Option: February
 - Option: June

 5. What goal is Inger Anderson emphasizing countries to strive towards?
 - Option: Increasing emissions
 - Option: Net-zero world
 - Option: Maintaining current emission levels
 - Option: Higher global warming

 6. What is the significance of COP30 mentioned in the text?
 - Option: Global warming assessment
 - Option: Climate plan implementation
 - Option: Climate conference
 - Option: Greenhouse gas emission monitoring

True-False



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7. Global greenhouse gas emissions decreased after the covid-19 pandemic lockdowns.
 8. Inger Anderson believes that achieving the goal of limiting global warming is no longer possible.
 9. All sources of emissions, including land use, have shown an increase.
 10. The rise in emissions is not affecting the prevention of severe climate change, according to the United Nations Global Environment Programme.
 11. Countries are not required to present new climate plans ahead of COP30.
 12. Anderson does not stress the importance of working towards a net-zero world.

Gap-Fill

13. In 2023, global greenhouse gas emissions reached _____ gigatonnes of carbon dioxide equivalent.
14. Global emissions are close to the _____ peak of 59.1 gigatonnes.
15. Countries intend to reduce emissions by _____ as outlined in the new climate plans.
17. It is crucial for countries to set ambitious targets and work together towards a _____ future for the well-being of the planet.
18. Anderson emphasized the importance of striving for a _____ for the well-being of the planet.

Answer

Multiple Choice: 1. Rebuilding economies after the covid-19 pandemic 2. Land use practices 3. Immediate action 4. February 5. Net-zero world 6. Climate conference

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

Gap-Fill: 13. 57.1 14. 2019 15. 2035 17. sustainable 18. net-zero world



Vocabulary quizzes

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

1. What is the term for the release of gases into the atmosphere?
Option: A) Greenhouse
Option: B) Sustainable
Option: C) Emissions
Option: D) Anesthesia
2. What describes the state of requiring immediate action or attention?
Option: A) Regulation
Option: B) Authority
Option: C) Urgency
Option: D) Recovery
3. What term refers to the act of conforming to a rule command or request?
Option: A) Turnaround
Option: B) Compliance
Option: C) Integration
Option: D) Demand
4. What describes the state of being responsible for something or someone?
Option: A) Misinformation
Option: B) Accountable
Option: C) Infrastructure
Option: D) Concerns
5. What are the consequences or fines for not adhering to laws or regulations?
Option: A) Regulating
Option: B) Imposed
Option: C) Penalties
Option: D) Facility
6. What term refers to the general weather conditions of a region over a long period?
Option: A) Regulation
Option: B) Climate
Option: C) Compliance
Option: D) Turnaround
7. What is the process of controlling or maintaining the proper functioning of something?



- Option: A) Facility
- Option: B) Regulating
- Option: C) Infractions
- Option: D) Turnaround

8. What refers to the basic physical and organizational structures and facilities needed for the operation of a society or enterprise?

- Option: A) Turnaround
- Option: B) Recovery
- Option: C) Infrastructure
- Option: D) Authority

9. What term describes a process of completely changing a situation so that it improves?

- Option: A) Demand
- Option: B) Compliance
- Option: C) Turnaround
- Option: D) Enhance

10. Which neurotransmitter is often associated with regulating mood and behavior?

- Option: A) Anxiety
- Option: B) Serotonin
- Option: C) Recovery
- Option: D) Demand

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

11. The _____ for eco-friendly products is increasing due to growing environmental awareness.
12. Penalties may be _____ on companies that do not comply with emission regulations.
13. To stay competitive businesses need to constantly _____ their products and services.
14. Government _____ are necessary to ensure fair competition in markets.
15. The new manufacturing _____ is equipped with the latest technology.
16. Many people experience feelings of _____ when faced with uncertain situations.
17. It is important to fact-check information to prevent the spread of _____.



18. Political _____ can have significant economic implications for a country.
19. Environmental _____ are driving the push for more sustainable practices.
20. Investments in _____ development are crucial for economic growth.

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

21. Creating a environment involves using resources wisely to meet current needs without compromising the future.
22. Digital offer convenient ways to connect users and providers of goods and services.
23. The local government has the to enforce zoning regulations in the city.
24. After the accident the survivor felt confused and .
25. Listening to soothing music can have a effect on one's nerves.
26. The patient is showing signs of steady after the surgery.
27. Effective of the financial industry is crucial to maintaining stability in the economy.
28. Setting clear helps organizations focus their efforts toward achieving specific goals.
29. The of various departments within the company improved overall efficiency.
30. Repeated traffic may result in a suspension of the driver's license.

Answer

Multiple Choice: 1. C) Emissions 2. C) Urgency 3. B) Compliance 4. B) Accountable 5. C) Penalties 6. B) Climate 7. B) Regulating 8. C) Infrastructure 9. C) Turnaround 10. B) Serotonin

Gap-Fill: 11. demand 12. imposed 13. enhance 14. regulations 15. facility 16. anxiety 17. misinformation 18. unrest 19. concerns 20. infrastructure

Matching sentence: 1. Sustainable 2. Platforms 3. Authority 4. Disoriented 5. Calming 6. Recovery 7. Regulation 8. Targets 9. Integration 10. Infractions

CATEGORY

1. Sci/Tech - LEVEL3

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