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# Breakthrough Pancreatic Cancer Pain Treatment in US Guidelines

## Description

A recent study conducted by a group of scientists has shed light on the impact of climate change on marine ecosystems. The researchers found that rising ocean temperatures are causing significant harm to coral reefs, resulting in a decrease in biodiversity and fish populations.

Furthermore, the study revealed that the acidity of the oceans is increasing due to higher levels of carbon dioxide in the atmosphere. This poses a threat to marine life, as many species rely on specific pH levels to survive and thrive.

In addition, the scientists noted that extreme weather events, such as hurricanes and typhoons, are becoming more frequent and severe as a result of climate change. These events can have devastating effects on coastal communities and ecosystems, leading to loss of life and property damage.

The findings of the study highlight the urgent need for global action to mitigate the effects of climate change on marine environments. It is crucial for governments, businesses, and individuals to work together to reduce carbon emissions and protect the world's oceans for future generations.

In conclusion, the study emphasizes the interconnectedness of all living beings on Earth and the importance of taking proactive measures to preserve our planet's delicate balance. Only through collective efforts can we hope to address the challenges posed by climate change and safeguard the health of our oceans.

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## Vocabulary List:

1. **Biodiversity** /ˌbaɪoʊdɪˈvɜːrsɪti/ (noun): The variety of plant and animal life in a particular habitat.
2. **Acidity** /əˈsɪdəti/ (noun): The quality of being acid; how acidic a solution is.
3. **Mitigate** /ˈmɪtɪˌgeɪt/ (verb): To make less severe serious or painful.
4. **Interconnectedness** /ˌɪntərˈkəːnɛktɪdʒnəs/ (noun): The state of being connected with each other.
5. **Ecosystems** /ˈiːkəʊˌsɪstəmz/ (noun): A biological community of interacting organisms and their physical environment.
6. **Devastating** /ˈdevəstetɪŋ/ (adjective): Highly destructive or damaging.

## Comprehension Questions



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## Multiple Choice

1. What is one of the impacts of rising ocean temperatures on marine ecosystems?  
Option: Increase in coral reef biodiversity  
Option: Decrease in fish populations  
Option: Less acidity in the oceans  
Option: Reduction in extreme weather events
2. Why is the increasing acidity of oceans a threat to marine life?  
Option: It promotes coral reef growth  
Option: Many species rely on specific pH levels to survive  
Option: It decreases carbon dioxide levels in the atmosphere  
Option: It leads to more hurricanes and typhoons
3. What can extreme weather events like hurricanes and typhoons cause in coastal communities?  
Option: Increase in property values  
Option: Decrease in life loss  
Option: Devastating effects  
Option: Improvement in ecosystems
4. Why is global action needed to mitigate the effects of climate change on marine environments?  
Option: To increase fish populations  
Option: To reduce carbon emissions  
Option: To improve coral reef health  
Option: To minimize extreme weather events
5. What is emphasized in the study regarding the interconnectedness of living beings on Earth?  
Option: Isolation of ecosystems  
Option: Importance of individual actions  
Option: Preserving delicate balance  
Option: Ignoring climate change effects
6. What is the key to safeguarding the health of oceans according to the study?  
Option: Regulating air pollution  
Option: Addressing challenges collectively  
Option: Focusing on economic growth  
Option: Ignoring climate change impacts



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## Answer

**Multiple Choice:** 1. Decrease in fish populations 2. Many species rely on specific pH levels to survive 3. Devastating effects 4. To reduce carbon emissions 5. Preserving delicate balance 6. Addressing challenges collectively

## Vocabulary quizzes

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

1. What term describes the ability to recover from difficulties?

- Option: Inflammation
- Option: Resilience
- Option: Integrity
- Option: Perseverance

2. What is the term for the collection of microorganisms in a particular environment?

- Option: Bacteria
- Option: Addiction
- Option: Microbiome
- Option: Crosstalk

3. What term refers to the mental action or process of acquiring knowledge and understanding?

- Option: Achievement
- Option: Cognition
- Option: Transplant
- Option: Obesity

4. What are measurable substances that indicate the presence of a biological process or condition?

- Option: Therapies
- Option: Incurable
- Option: Biomarkers
- Option: Devastating

5. What term describes a complex condition characterized by compulsive drug use?

- Option: Incurable
- Option: Achievement
- Option: Addiction
- Option: Prognosis



6. What is the term for a medical condition in which excess body fat has accumulated to an extent that it may have a negative effect on health?

- Option: Prognosis
- Option: Crosstalk
- Option: Integrity
- Option: Obesity

7. What are specialized plant fibers that nourish the good bacteria already in the colon?

- Option: Prebiotics
- Option: Bacteria
- Option: Resistant
- Option: Mitigate

8. What term describes the ability of a microorganism to withstand the effects of medication?

- Option: Resistant
- Option: Complex
- Option: Prognosis
- Option: Mitigate

9. What term refers to the temporary or permanent disappearance of the signs and symptoms of cancer?

- Option: Remission
- Option: Perseverance
- Option: Biodiversity
- Option: Acidity

10. What term describes a community of living organisms interacting with one another and their physical environment?

- Option: Mitigate
- Option: Ecosystems
- Option: Interconnectedness
- Option: Acidity

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

11. \_\_\_\_\_ is the quality of being honest and having strong moral principles.

12. The disease had a \_\_\_\_\_ effect on his ability to perform daily tasks.

13. Multiple \_\_\_\_\_ is a type of cancer that forms in a type of white blood cell called a plasma cell.



14. The discovery held great \_\_\_\_\_ for the field of medicine.
15. The Amazon rainforest is known for its rich \_\_\_\_\_ of plant and animal species.
16. Efforts to \_\_\_\_\_ the effects of climate change are crucial for the future of the planet.
17. The immune system is a highly \_\_\_\_\_ network of cells and proteins.
18. The doctor provided a positive \_\_\_\_\_ for the patient's recovery.
19. His success was a result of hard work and \_\_\_\_\_ in the face of challenges.
20. Despite advances in medicine some diseases remain \_\_\_\_\_.

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

21. Chronic has been linked to various health conditions including heart disease and diabetes.
22. The earthquake had a impact on the small island nation destroying homes and infrastructure.
23. A kidney can improve the quality of life for patients with end-stage renal disease.
24. Winning the Nobel Prize was a significant for the scientist after years of research.
25. The concept of global highlights the idea that actions in one part of the world can have far-reaching effects.
26. Various medical are available to treat different types of cancer.
27. Cellular plays a crucial role in coordinating responses to external stimuli.
28. The pH level measures the degree of or alkalinity in a substance.
29. The loss of biodiversity in the rainforest would be to the delicate ecosystem.
30. Probiotics are live bacteria and yeasts that are good for your health especially your digestive system.

**Answer**

**Multiple Choice:** 1. Resilience 2. Microbiome 3. Cognition 4. Biomarkers 5. Addiction 6. Obesity 7. Prebiotics  
8. Resistant 9. Remission 10. Ecosystems

**Gap-Fill:** 11. Integrity



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12. Debilitating 13. Myeloma 14. Significance 15. Biodiversity 16. Mitigate 17. Complex 18. Prognosis  
19. Perseverance 20. Incurable

**Matching sentence:** 1. Inflammation 2. Devastating 3. Transplant 4. Achievement 5. Interconnectedness  
6. Therapies 7. Crosstalk 8. Acidity 9. Devastating 10. Bacteria

## CATEGORY

1. Health - LEVEL4

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