

**AP Environmental Science – Chapter 19 – Global Change
Key Questions and Vocab**

Key Questions – Answered in your own handwriting on separate paper, or the back of this page

1. Explain the connection between global change, global climate change, and global warming.
2. Describe the sun-earth heating system making sure to discuss the specifics of the greenhouse effect.
3. What are the main sources of anthropogenic greenhouse gases vs natural sources? Where do the two overlap?
4. Why are natural sources of greenhouse gases less of a concern to the overall earth-sun heating system?
5. Explain the seasonal variation in atmospheric CO₂ gas concentrations.
6. What is the connections between atmospheric CO₂ concentrations and the rise in average earth temps over the past 60 years?
7. It is clear that CO₂ emissions differ from nation to nation. Why is this the case?
8. Describe each natural tool used by scientists to determine global temperatures over the past 500,000 years. Be specific about each.
9. Models can be powerful tools of science. Discuss the pros and cons of climate models in predicting the future of global temperatures and global climate.
10. Give examples of both positive and negative feedback loops in regards to climate change.
11. Describe each of the ways that climate change is impacting the environment.
12. How are organisms impacted by climate change?
13. How is climate change predicted to affect events in the future? Give potential examples of these things currently happening in your realm of awareness.
14. Explain the uncertainty that is sometimes portrayed around climate change in the context of the critical thinking skills we have been discussing in class.
15. Why is the Kyoto protocol a good example of the precautionary principle?

Vocabulary – Hand written on flash cards.

Global Change
Global Climate Change
Global Warming
Greenhouse effect
Greenhouse Warming Potential
Ocean Acidification
Kyoto Protocol
Carbon Sequestration
Anthropogenic

Climate Model
Positive Feedback Loop
Negative Feedback Loop
Polar Ice
Permafrost
Glacier
Ocean Acidification

*It may be beneficial to label or color code your flashcards by chapter

Environmental Science Chapter 19 Understanding Key Ideas Answers

G Thomas



Environmental Science Chapter 19 Understanding Key Ideas Answers:

Environmental Science Chapter 19 Understanding Key Ideas Answers: Bestsellers in 2023 The year 2023 has witnessed a noteworthy surge in literary brilliance, with numerous captivating novels captivating the hearts of readers worldwide. Lets delve into the realm of top-selling books, exploring the engaging narratives that have charmed audiences this year.

Environmental Science Chapter 19 Understanding Key Ideas Answers : Colleen Hoover "It Ends with Us" This touching tale of love, loss, and resilience has captivated readers with its raw and emotional exploration of domestic abuse. Hoover expertly weaves a story of hope and healing, reminding us that even in the darkest of times, the human spirit can prevail. Uncover the Best : Taylor Jenkins Reids "The Seven Husbands of Evelyn Hugo" This intriguing historical fiction novel unravels the life of Evelyn Hugo, a Hollywood icon who defies expectations and societal norms to pursue her dreams. Reids compelling storytelling and compelling characters transport readers to a bygone era, immersing them in a world of glamour, ambition, and self-discovery. Discover the Magic : Delia Owens "Where the Crawdads Sing" This mesmerizing coming-of-age story follows Kya Clark, a young woman who grows up alone in the marshes of North Carolina. Owens weaves a tale of resilience, survival, and the transformative power of nature, captivating readers with its evocative prose and mesmerizing setting. These bestselling novels represent just a fraction of the literary treasures that have emerged in 2023. Whether you seek tales of romance, adventure, or personal growth, the world of literature offers an abundance of engaging stories waiting to be discovered.

The novel begins with Richard Papen, a bright but troubled young man, arriving at Hampden College. Richard is immediately drawn to the group of students who call themselves the Classics Club. The club is led by Henry Winter, a brilliant and charismatic young man. Henry is obsessed with Greek mythology and philosophy, and he quickly draws Richard into his world. The other members of the Classics Club are equally as fascinating. Bunny Corcoran is a wealthy and spoiled young man who is always looking for a good time. Charles Tavis is a quiet and reserved young man who is deeply in love with Henry. Camilla Macaulay is a beautiful and intelligent young woman who is drawn to the power and danger of the Classics Club. The students are all deeply in love with Morrow, and they are willing to do anything to please him. Morrow is a complex and mysterious figure, and he seems to be manipulating the students for his own purposes. As the students become more involved with Morrow, they begin to commit increasingly dangerous acts. The Secret History is a brilliant and gripping novel that will keep you guessing until the very end. The novel is a warning tale about the dangers of obsession and the power of evil.

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