

Atmosphere Study Guide

1. Be able to identify each of the five steps to the water cycle (evaporation, condensation, precipitation, runoff, transpiration)
2. Identify the three major gases in the atmosphere and the percentage:
 - a. Nitrogen 78%
 - b. Oxygen 21%
 - c. Carbon dioxide, other 1%
3. What will happen to the rate of evaporation if temperatures increase? Evaporation will increase
4. What is the distance above sea level called? altitude
5. As altitude increases density decreases
6. As altitude decreases density increases
7. Identify the following process:
 - a. evaporation: liquid to gas
 - b. condensation: gas to liquid when the gas is cooled
 - c. precipitation: clouds become full of water vapor and fall in the form of rain, snow, sleet, hail
 - d. runoff: when water runs off the ground to a body of water or in the form of groundwater
8. Define the following:
 - a. Conduction: transfer of heat through direct contact of two substances
 - b. Convection: transfer of energy from place to place by the motion of a gas or liquid
 - c. Radiation: energy that moves across distances in the form of electromagnetic waves
9. Why is air directly above the ground heated? Due to conduction
10. What layer does weather occur? troposphere
11. What layer does temperature increase and some jets can fly? stratosphere
12. Which layer has the greatest density, greatest amount of water vapor, and support life? troposphere
13. Which layer does temperature decrease as altitude increases? mesosphere
14. Put the layers in order of altitude from Earth to space:
Troposphere, stratosphere, mesosphere, thermosphere, exosphere
15. Which layer is the hottest? thermosphere coldest? mesosphere
16. Where is the ozone layer found? stratosphere
17. What gas makes up the stratosphere? Ozone gas (O₃)
18. How do greenhouse gases help heat the atmosphere? Absorbing infrared radiation released by Earth
19. How does carbon dioxide increase temperature? Keeps heat in the atmosphere from escaping into space
20. Carbon dioxide concentrations have dramatically increased over the past decade.
21. What is the greenhouse effect? The process that keeps energy in Earth systems by gases absorbing and emitting infrared radiation
22. Ozone is a protectant in the stratosphere and a pollutant in the troposphere.
23. What are examples of greenhouse gases? Carbon dioxide, water vapor, methane, nitrous oxide
24. Infrared radiation acts as a blanket in our troposphere because it traps heat and sends it back down to Earth's surface.
25. What are fossil fuels and what are the three fossil fuels called? Formed from the remains of once living things: coal, oil, and natural gas
26. What are CFC's and give examples. Chloroflourocarbons; chemicals that deplete the ozone layer; spray cans, Styrofoam, cooling systems

Answer Key For Earths Atmosphere Test

Marco Cascella



Answer Key For Earths Atmosphere Test:

Answer Key For Earths Atmosphere Test: Bestsellers in 2023 The year 2023 has witnessed a remarkable surge in literary brilliance, with numerous engrossing novels captivating the hearts of readers worldwide. Lets delve into the realm of top-selling books, exploring the fascinating narratives that have captivated audiences this year. Answer Key For Earths Atmosphere Test : Colleen Hoover's "It Ends with Us" This heartfelt tale of love, loss, and resilience has captivated readers with its raw and emotional exploration of domestic abuse. Hoover skillfully weaves a story of hope and healing, reminding us that even in the darkest of times, the human spirit can triumph. Uncover the Best : Taylor Jenkins Reids "The Seven Husbands of Evelyn Hugo" This captivating historical fiction novel unravels the life of Evelyn Hugo, a Hollywood icon who defies expectations and societal norms to pursue her dreams. Reids captivating storytelling and compelling characters transport readers to a bygone era, immersing them in a world of glamour, ambition, and self-discovery. Answer Key For Earths Atmosphere Test : Delia Owens "Where the Crawdads Sing" This evocative 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 popular 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 thrilling novel that will keep you speculating until the very end. The novel is a cautionary tale about the dangers of obsession and the power of evil.

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