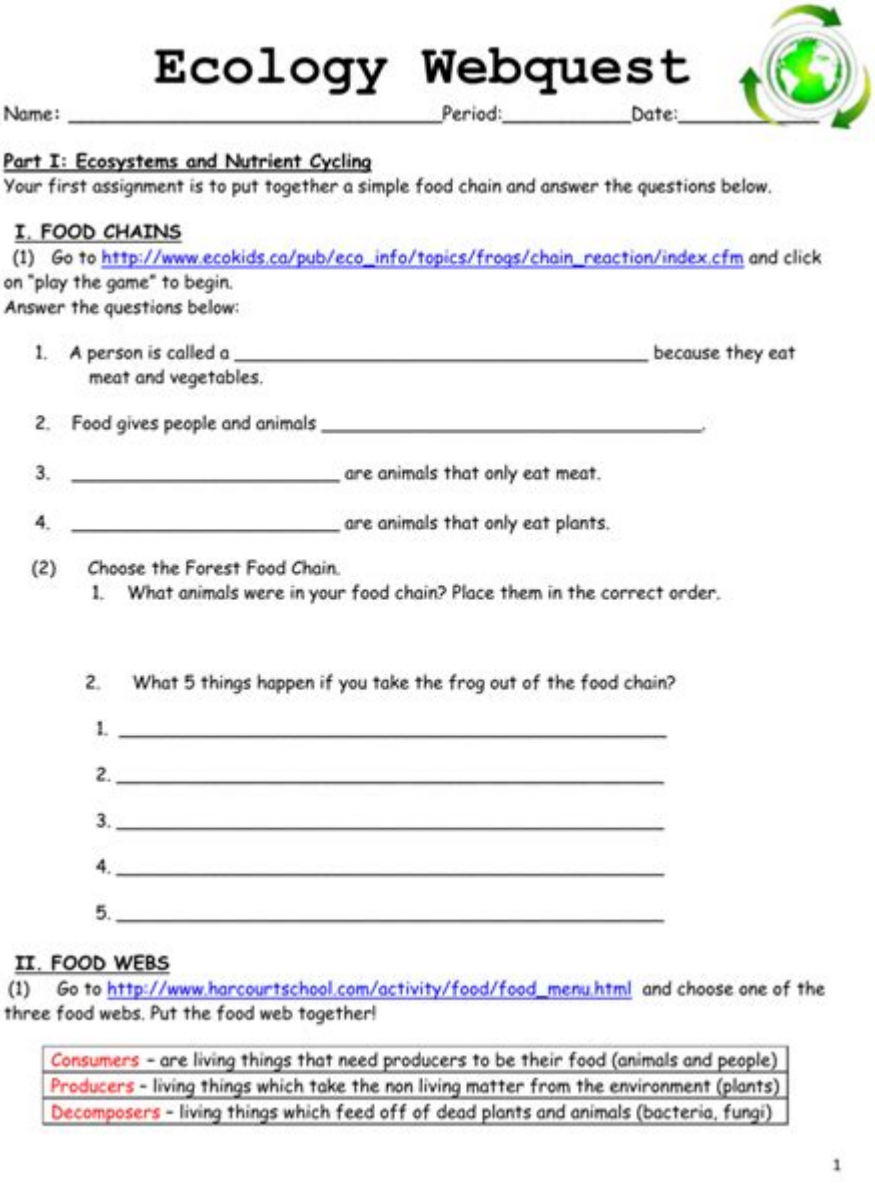
Ecology Webquest Answer Key



Ecology Webquest

Name: _____Period:_____Date:_____

Part I: Ecosystems and Nutrient Cycling

Your first assignment is to put together a simple food chain and answer the questions below.

I. FOOD CHAINS

(1) Go to http://www.ecokids.ca/pub/eco_info/topics/frogs/chain_reaction/index.cfm and click on "play the game" to begin.

Answer the questions below:

1. A person is called a _____ because they eat meat and vegetables.
2. Food gives people and animals _____.
3. _____ are animals that only eat meat.
4. _____ are animals that only eat plants.

(2) Choose the Forest Food Chain.

1. What animals were in your food chain? Place them in the correct order.

2. What 5 things happen if you take the frog out of the food chain?

1. _____
2. _____
3. _____
4. _____
5. _____

II. FOOD WEBS

(1) Go to http://www.harcourtschool.com/activity/food/food_menu.html and choose one of the three food webs. Put the food web together!

Consumers - are living things that need producers to be their food (animals and people)
Producers - living things which take the non living matter from the environment (plants)
Decomposers - living things which feed off of dead plants and animals (bacteria, fungi)

1

Ecology Webquest Answer Key: Your Guide to Navigating Environmental Studies

Are you struggling to find the answers to your ecology webquest? Feeling overwhelmed by the sheer volume of information and unsure where to begin? You've come to the right place! This comprehensive guide provides a structured approach to completing your ecology webquest, offering insights and potential answers to common questions. While we can't provide the exact answers to your specific assignment (as that would defeat the purpose of the learning experience), we will equip you with the knowledge and strategies to successfully navigate the webquest and understand the core concepts of ecology. Remember, the goal is learning, not just finding the "right" answers.

Understanding Your Ecology Webquest

Before diving into potential answers, let's clarify what an ecology webquest typically entails. These assignments usually involve exploring various online resources, such as websites, videos, and interactive simulations, to learn about different ecological concepts. These concepts might include:

Biomes: Exploring different ecosystems around the world, their characteristics, and the organisms that inhabit them.
Food Webs and Food Chains: Understanding the flow of energy and nutrients within an ecosystem.
Population Dynamics: Analyzing factors affecting population growth, decline, and carrying capacity.
Ecosystem Interactions: Examining symbiotic relationships, competition, and predator-prey dynamics.
Human Impact on the Environment: Investigating the effects of human activities on various ecosystems.

How to Approach Your Ecology Webquest Effectively

Rather than simply searching for "Ecology Webquest Answer Key," focus on understanding the underlying ecological principles. Here's a step-by-step approach:

1. Carefully Review the Instructions:

Begin by thoroughly reading the webquest instructions. Note the specific questions, the required resources, and the expected format of your submission. This will help you stay on track and ensure you address all aspects of the assignment.

2. Identify Key Terms and Concepts:

Each section of your webquest will likely focus on specific ecological terms. Make a list of these terms (e.g., carrying capacity, biodiversity, trophic levels) and define them using reputable sources. Understanding these terms is crucial to answering the questions accurately.

3. Utilize Reputable Online Resources:

Instead of searching for pre-made answer keys, use credible sources like educational websites (National Geographic, Khan Academy, BBC Earth), scientific journals (check your library's online resources), and government environmental agencies. Cross-reference information from multiple sources to ensure accuracy.

4. Take Thorough Notes:

As you explore each online resource, take detailed notes. Organize your notes by question or topic, and cite your sources appropriately to avoid plagiarism. This will help you synthesize the information and formulate well-supported answers.

5. Formulate Your Answers in Your Own Words:

Once you've gathered the necessary information, write your answers in your own words. Paraphrasing demonstrates understanding and helps you avoid plagiarism. Focus on explaining the concepts, rather than simply copying and pasting text.

Common Challenges and How to Overcome Them

Many students face challenges when completing ecology webquests. Some common hurdles include:

Information Overload: The sheer amount of information available online can be overwhelming. Focus on the specific questions in your webquest and prioritize relevant information.
Difficulty Understanding Complex Concepts: Break down complex ecological concepts into smaller, manageable parts. Use diagrams, flowcharts, or other visual aids to help you understand the relationships between different elements of an ecosystem.
Lack of Access to Reliable Resources: Ensure you're using credible sources. If you lack access to specific resources, consult your teacher or librarian for assistance.

Putting it all Together: Strategies for Success

Remember, the purpose of the webquest is to learn about ecology, not just to find the "answers." By focusing on understanding the underlying principles and using reliable sources, you'll not only complete the assignment successfully but also gain a deeper appreciation for the complexities and intricacies of the natural world. Focus on critical thinking and application of knowledge – that’s what truly demonstrates your understanding of ecology.

Conclusion

Successfully completing an ecology webquest requires a strategic approach that combines diligent research, critical thinking, and effective note-taking. By following the steps outlined above, you can confidently navigate the assignment and gain a solid understanding of key ecological concepts. Remember to prioritize learning and understanding over simply finding ready-made answers.

FAQs

1. Q: What if I can't find the answer to a specific question? A: If you are struggling with a particular

question, review the related concepts and try searching for information using different keywords. If you're still stuck, seek help from your teacher or classmates.

2. Q: How can I avoid plagiarism? A: Always cite your sources properly and paraphrase information in your own words. Avoid directly copying text from any source.

3. Q: Are there any specific websites you recommend for researching ecology? A: National Geographic, Khan Academy, the EPA website, and your school library's online resources are all excellent starting points.

4. Q: What if my webquest uses a specific simulation or interactive tool? A: Carefully follow the instructions provided within the simulation or tool. Pay close attention to any prompts or questions that guide you through the activity.

5. Q: My webquest includes a presentation component – any tips? A: Organize your presentation logically, use visuals effectively (charts, graphs, images), and rehearse your delivery to ensure a confident and informative presentation. Remember to cite your sources appropriately.

ecology webquest answer key: Drawdown Paul Hawken, 2018-02-22 NEW YORK TIMES BESTSELLER For the first time ever, an international coalition of leading researchers, scientists and policymakers has come together to offer a set of realistic and bold solutions to climate change. All of the techniques described here - some well-known, some you may have never heard of - are economically viable, and communities throughout the world are already enacting them. From revolutionizing how we produce and consume food to educating girls in lower-income countries, these are all solutions which, if deployed collectively on a global scale over the next thirty years, could not just slow the earth's warming, but reach drawdown: the point when greenhouse gasses in the atmosphere peak and begin todecline. So what are we waiting for?

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focuses on users younger than college students. Digital Media, Youth, and Credibility fills this gap in the literature. Contributors Matthew S. Eastin, Gunther Eysenbach, Brian Hilligoss, Frances Jacobson Harris, R. David Lankes, Soo Young Rieh, S. Shyam Sundar, Fred W. Weingarten

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up with a new understanding of life itself. The Beak of the Finch is an elegantly written and compelling masterpiece of theory and explication in the tradition of Stephen Jay Gould.

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realistic view of gaps in the scientific understanding of greenhouse warming and how much effort and expense might be required to produce definitive answers. The book presents methods for assessing options to reduce emissions of greenhouse gases into the atmosphere, offset emissions, and assist humans and unmanaged systems of plants and animals to adjust to the consequences of global warming.

ecology webquest answer key: Volcanic Eruptions and Their Repose, Unrest, Precursors, and Timing National Academies of Sciences, Engineering, and Medicine, Division on Earth and Life Studies, Board on Earth Sciences and Resources, Committee on Seismology and Geodynamics, Committee on Improving Understanding of Volcanic Eruptions, 2017-07-24 Volcanic eruptions are common, with more than 50 volcanic eruptions in the United States alone in the past 31 years. These eruptions can have devastating economic and social consequences, even at great distances from the volcano. Fortunately many eruptions are preceded by unrest that can be detected using ground, airborne, and spaceborne instruments. Data from these instruments, combined with basic understanding of how volcanoes work, form the basis for forecasting eruptionsâ€where, when, how big, how long, and the consequences. Accurate forecasts of the likelihood and magnitude of an eruption in a specified timeframe are rooted in a scientific understanding of the processes that govern the storage, ascent, and eruption of magma. Yet our understanding of volcanic systems is incomplete and biased by the limited number of volcanoes and eruption styles observed with advanced instrumentation. Volcanic Eruptions and Their Repose, Unrest, Precursors, and Timing identifies key science questions, research and observation priorities, and approaches for building a volcano science community capable of tackling them. This report presents goals for making major advances in volcano science.

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framework while allowing significant flexibility for instructors. Each section of the book includes an introduction based on the AP® curriculum and includes rich features that engage students in scientific practice and AP® test preparation; it also highlights careers and research opportunities in biological sciences.

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Discusses how many people the earth can support in terms of economic, physical, and environmental aspects.

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researched” (The New York Times Book Review) examination of energy transitions over time and an exploration of the current challenges presented by global warming, a surging world population, and renewable energy—from Pulitzer Prize- and National Book Award-winning author Richard Rhodes. People have lived and died, businesses have prospered and failed, and nations have risen to world power and declined, all over energy challenges. Through an unforgettable cast of characters, Pulitzer Prize-winning author Richard Rhodes explains how wood gave way to coal and coal made room for oil, as we now turn to natural gas, nuclear power, and renewable energy. “Entertaining and informative…a powerful look at the importance of science” (NPR.org), Rhodes looks back on five centuries of progress, through such influential figures as Queen Elizabeth I, King James I, Benjamin Franklin, Herman Melville, John D. Rockefeller, and Henry Ford. In his “magisterial history…a tour de force of popular science” (Kirkus Reviews, starred review), Rhodes shows how breakthroughs in energy production occurred; from animal and waterpower to the steam engine, from internal-combustion to the electric motor. He looks at the current energy landscape, with a focus on how wind energy is competing for dominance with cast supplies of coal and natural gas. He also addresses the specter of global warming, and a population hurtling towards ten billion by 2100. Human beings have confronted the problem of how to draw energy from raw material since the beginning of time. Each invention, each discovery, each adaptation brought further challenges, and through such transformations, we arrived at where we are today. “A beautifully written, often inspiring saga of ingenuity and progress…Energy brings facts, context, and clarity to a key, often contentious subject” (Booklist, starred review).

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ecology webquest answer key: Instructional Technology and Media for Learning Sharon E Smaldino, Deborah L Lowther, James D Russell, 2015-10-08 Note: The Enhanced eText features are only available in the Pearson eText format. They are not available in third-party eTexts or downloads, such as CourseSmart.For courses in Instructional Media and Technology, and Computers in EducationA core text for Introduction to Educational Technology coursesHow to integrate a complete range of technology and media formats into classroom instruction using the ASSURE model for lesson planning.This text shows specifically and realistically how technology and media enhance and support everyday teaching and learning. Written from the viewpoint of the teacher, it demonstrates how to integrate a complete range of technology and media formats into classroom instruction using the ASSURE model for lesson planning. Ideal for educators at all levels who place a high value on learning, the book is helps readers incorporate technology and media into best practice, to use them as teaching tools and to guide students in using them as learning tools. Examples come from elementary and secondary education.The new Eleventh Edition keeps readers up to pace with the innovations in all aspects of technology, particularly those related to computers, Web 2.0, social networks, and the Internet. The updating throughout reflects the acceleration trend toward digitizing information and school use of telecommunications resources, such as the Web. It also addresses the interaction among the roles of teachers, technology, coordinators, and school media specialists, all complementary and interdependent teams within the school.This text provides the ideal teaching and learning experience through: The ASSURE Model of lesson planning and the ASSURE Classroom Case Studies. A number of helpful pedagogical aids that provide reinforcement and ensure understanding. A focus on today's most up-to-date expectations and innovations.

ecology webquest answer key: The Carbon Cycle T. M. L. Wigley, D. S. Schimel, 2005-08-22 Reducing carbon dioxide (CO2) emissions is imperative to stabilizing our future climate. Our ability to reduce these emissions combined with an understanding of how much fossil-fuel-derived CO2 the oceans and plants can absorb is central to mitigating climate change. In The Carbon Cycle, leading scientists examine how atmospheric carbon dioxide concentrations have changed in the past and how this may affect the concentrations in the future. They look at the carbon budget and the missing sink for carbon dioxide. They offer approaches to modeling the carbon cycle, providing mathematical tools for predicting future levels of carbon dioxide. This comprehensive text incorporates findings from the recent IPCC reports. New insights, and a convergence of ideas and views across several disciplines make this book an important contribution to the global change literature.

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Innovations on the Horizon Schools of the Future Your Future in the Field Professional Organizations Professional Journals Summary Appendix: Equipment Safety and Setups Introduction Equipment Safety Equipment Selection and Identification Care and Handling of Equipment Projector Setups Video Setups Audio Setups.

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