

Environmental Science Final Exam- Study Guide

This test consists of 145 multiple- choice questions. You will have 2 hours to take the test.
BRING A #2 PENCIL!

Chapter 1: Intro to Environmental Science

Vocabulary:

- Environment
- Environmental Science
- Environmentalism
- Renewable Resource (know examples)
- Nonrenewable Resource (know examples)
- Sustainable
- Ecological Footprint
- Hypothesis
- Independent Variable
- Dependent Variable
- Theory
- Ethics

Why is environmental science considered interdisciplinary?

is a combination of various other subjects (i.e. ecology, biology, economics, history, ethics, etc.)

In an experiment, a scientist adds Vitamin B to his sunflower plants that he exposed to a plant carcinogen. The Vitamin B is a known anti-cancer treatment in plants. He then observed the tumor growth on the sunflowers. What is the dependent variable? Independent variable? What would be a control for his experiment?

Dependent- Tumor growth

Independent- Vitamin B amt.

Control- Plants not given vitamin B

What characterizes biocentrism, ecocentrism, and anthropocentrism?

Bio- every living thing has value, just some more than others

Eco- every living thing has equal value; the system is more important than the individual

Anthro- humans are the most important species

What makes a theory different than a hypothesis?

Theory is made from many supported hypothesis conclusions. It is more general. Hypothesis is a testable prediction that is very specific.

What is the relationship between population & resource consumption?

increase in population; increase in resource consumption

What does "tragedy of the commons" mean? Be able to identify an example.

unregulated use of resources until the resource no longer exist

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Siddappa N.Byrareddy



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Research in Education ,1974 **Resources in Education** ,1980 *An Introductory Guide to EC Competition Law and Practice* Valentine Korah,1994 **Environmental Science** William P. Cunningham,Mary Ann Cunningham,Barbara Woodworth Saigo,2003-03 This book is intended for use in a one or two semester course in environmental science human ecology or environmental studies at the college or advanced placement high school level Because most students who will use this book are freshman or sophomore nonscience majors the authors have tried to make the text readable and accessible without technical jargon or a presumption of prior science background At the same time enough data and depth are presented to make this book suitable for many upper division classes and a valuable resource for students who will keep it in their personal libraries after their formal studies are completed The goal of this book is to provide an up to date introductory view of essential themes in environmental science along with emphasis on details and case studies that will help students process and retain the general principles *Research in Education* ,1971 [Sustainability Engineering for Enhanced Process Design and Manufacturing Profitability](#) Jeffery P. Perl,2024-03-11 Now in an expanded and revised second edition this book explores sustainability engineering through the lens of the manufacturing and chemical process industries to explain the safe and economical implementation of process designs to transform raw materials into valuable finished products The author applies the principles of sustainability science to engineering methodology for residential commercial and industrial applications that support the perpetual availability of raw materials through recycling reuse and repurposing to incorporate inexhaustible supplies and encompasses the management and conservation of these resources in a manner that minimizes negative environmental impacts New sections include Coverage of electric power opportunities and challenges solar wind and cogeneration Efficiency improvement as an energy supply extender Recycling as a material extender The book examines relevant energy policies driving and affecting commercial industrial and residential energy utilization and includes new industrial case studies Anyone involved in the design or manufacture of chemicals or the upgrade of existing manufacturing processes will benefit from this book s suggestions for identifying improvement options while adding the pivotal aspect of sustainability to the usual cost and safety equation optimization elements **Ohio State University Bulletin** ,1927 **Cornell University Courses of Study** Cornell University,2007 [The Nature-study Review](#) ,1905 [School Science](#) ,1904 **School Science and Mathematics** ,1905 **Environmental Science** Amos Turk,1978 New edition of a college textbook introduced in 1974 **Announcement, College of Arts and Sciences** University of Colorado (Boulder campus). School of Arts and Sciences,1926 **Transactions of the Illinois State Academy of Science** Illinois State Academy of Science,1912 Vol 1 covers the organizational meeting Springfield Dec 7 1907 and the first regular meeting Decatur Feb 22 1908 *U.S. Government Research & Development Reports* ,1970 *Sustainability Engineering* Jeffery Perl,2016-07-07 This book explores sustainability engineering through the lens of the manufacturing and chemical

process industries to elucidate the safe and economic implementation of process designs used to transform raw materials into useful finished products The author applies the tenets of sustainability science to develop an engineering methodology that supports the perpetual availability of raw materials through recycling reuse repurposing incorporates inexhaustible supplies such as solar energy and municipal waste and encompasses the husbandry of these resources in a manner that minimizes negative environmental impacts Anyone involved in the design or manufacture of chemicals or the upgrade of existing manufacturing processes will benefit from this book s suggestions for identifying improvement options while adding the pivotal aspect of sustainability to the usual cost and safety equation optimization elements *The Publishers Weekly*,1910 **General Catalogue** Santa Barbara State Teachers College and Junior College,Santa Barbara State Normal School of Manual Arts and Home Economics,University of California, Santa Barbara,1929 **Bibliographies on Aerospace Science** United States. National Aeronautics and Space Administration. Scientific and Technical Information Division,1964 **The Industrialist** ,1903

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