

EXAM ONE REVIEW SHEET

Exams in ENVS will include several types of questions: multiple choice, fill-in-the-blank, true/false, and some short answer.

VOCABULARY

ethics	moral relativism	anthropocentrism
ecocentrism	sustainable development	environmental justice
natural capitalism	risk	risk assessment
risk management	economics	natural resources
renewable resources	non-renewable resources	environmental costs
deferred costs	external costs	science
scientific method	hypothesis	theory
paradigm (shift)	peer-review	scientific law
reproducibility	controlled experiment	pseudoscience

CONCEPTS

INTRODUCTION TO ENVIRONMENTAL SCIENCE

Environmental science as highly interdisciplinary field

Interrelatedness as a core concept in environmental science (Muir's quote)

Humans have made unprecedented changes to the environment that have helped billions of people live better lives, but have weakened nature's ability to deliver key services

Know "key problems" slide

We are on the edge of a major extinction event

MEA "Bottom Line" slide

ENVIRONMENTAL ETHICS

Affluent persons generate most waste while poor bear largest burden of waste

Know "Societal Environmental Ethics" slide

Concept of externalized and deferred costs, examples

Disparity between size of US population and our resource use & pollution

ENVIRONMENTAL RISK

3 components of risk

Understand information from "Scientific and Perceived Risk" Slides

ENVIRONMENTAL ECONOMICS

Not everything can be assigned an economic value for use in cost-benefit analysis,
especially difficult for natural resources

Concept of the Tragedy of the Commons

SCIENCE

Science is a process that uses a standard methodology to understand the world

Science presumes that there are specific causes for events & they can be identified

Science attempts to distinguish between mere correlation and causation

Scientific ideas undergo constant reevaluation, criticism, and modification
