APESreview Ch 5-6: Populations

Top 15 Terms for This Exam

Symbiotic Relationships
Survivorship Curves
Rule of 70
Shannon Diversity Index
Human Population Size
Demographic Transition
Limiting Factors
Population Dispersion
Biotic Potential
Age Structure Diagrams
Ecological Succession
Population Cycles
Replacement Level Fertility Rate
K-Strategist
r-Strategist

The Gimme Question for This Exam

Survivorship curves show
a. fertility rates
b. patterns of natality
c. fecundity rates
d. patterns of mortality

Video Review Links

Symbiosis
Human Population Growth
Predation
Succession
Ecological Succession
Community Ecology
7 Billion

College Board Objectives

ERT-1.A. Explain how the availability of resources influences species interactions.
ERT-2.F. Describe ecological tolerance.
ERT-2.G. Explain how natural disruptions, both short and long-term, impact an ecosystem.
ERT-2.I. Describe ecological succession.
ERT-2.J. Describe the effect of ecological succession on ecosystems.
ERT-3.B. Identify differences between K- and r-selected species.
ERT-3.C. Explain survivorship curves.
ERT-3.D. Describe carrying capacity.
ERT-3.E. Describe the impact of carrying capacity on ecosystems.
ERT-3.F. Explain how resource availability affects population growth.

EIN-1.A. Explain age structure diagrams.
EIN-1.B. Explain factors that affect total fertility rate in human populations.
EIN-1.C. Explain how human populations experience growth and decline.
EIN-1.D. Define the demographic transition.

(ENG=Energy Transfer, ERT=Interactions Between Earth Systems, EIN=Interactions Between Species and the Environment, STB=Sustainability)