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APES Sem 1 Exam topics

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capillary action

energy vs. work vs. power

thermodynamics

algal bloom

chemical cycles

photosynthesis and sugar

pri-sec-tert consumers

poisoned waters:

temp and DO

watersheds

point source pollution

endocrine disrupters

killer whales-bioaccumulation

biomes

hadley, ferrell, polar cells

convection, radiation and conduction

ocean currents, NADW

El Nino

atmosphere layers

evolution: variation-stress that favors the variation-reproduction

predator-mutualism-commensalism-parasitism

keystone species

indicator species

survivorship curves

r and K species

logistic vs. J curve growth

population growth, 2^n

demographic transition

boom echo

population pyramids

doubling time $70/\% = \text{years}$

soil composition

soil tests

soil layers

earthquakes

volcanoes

plate tectonics

WQI

water tests

DO and temp

DO and turbidity

point source DO depression

dead zones

Himalayan water and climate change

aquifer issues

e2 portland

e2 seoul

e2 NYC

e2 yaqui indians

Roosevelt, Leopold, Muir, Carson

tragedy of the commons

e2 food miles

food energy subsidy

IPM