

EXPECTATIONS

AP Biology

“Unit One- B Level”

OUTLINE why experiments need control groups
OUTLINE the relationship between light and aquatic ecosystems
OUTLINE possible outcomes from competition between two species
OUTLINE effects of: predation, parasitism, commensalism, competition, & mutualism on population density
OUTLINE the role and effects of keystone species in a community
OUTLINE the relationship between fire and ecosystems
DESCRIBE invasive species
DESCRIBE factors affect the amount precipitation in an area
DESCRIBE the development of terrestrial biomes
DESCRIBE why energy does not cycle through ecosystems
DESCRIBE which ecological pyramids can and can not be inverted
DESCRIBE energy flow through ecosystems
DESCRIBE the Hubbard Brook Experimental Forest
DESCRIBE the need for nutrient supplementation in agricultural lands
IDENTIFY a possible result of changing the tilt of the earth's axis
IDENTIFY areas on earth that would be more or less effected by a large volcanic eruption or meteor impact
IDENTIFY factors that might increase or decrease species diversity
IDENTIFY a scenario where resource partitioning is most likely to occur
IDENTIFY possible reasons for two geographical distinct species appearing similar
IDENTIFY an example of coevolution
IDENTIFY the trophic level of an organism
IDENTIFY minimum requirements for an ecosystem to recycle nutrients
IDENTIFY organisms labeled as primary producers
IDENTIFY the autotrophs in a given food web
COMPARE altitudinal gradients and latitudinal gradients
COMPARE aquatic zones with respect to primary productivity
COMPARE oligotrophic and eutrophic lakes
COMPARE realized and fundamental niches
COMPARE facilitation and inhibition in the process of succession
COMPARE the biomass of organisms in a given food web