

LIST common plant defense mechanisms

LIST sources of information that cells get that control development

LIST all possible types of target cells of neurons

LIST all places in a eukaryotic cell where you might find ribosomes

LIST characteristics of gas exchange surfaces or any exchange surface for that matter

OUTLINE the roles of competition, keystone species, disturbances, migration and patchy environments on overall species diversity

OUTLINE mimicry

OUTLINE the four levels of protein structure

OUTLINE the interaction of nutrient absorption in human digestive tracts

OUTLINE the role(s) of cellular organelles (limited to those in the ppt)

OUTLINE each of the different interactions seen in a community between species

OUTLINE what it means when we say a disease is multifactorial

OUTLINE the roles of competition, keystone species, disturbances, migration and patchy environments on overall species diversity

OUTLINE why agricultural lands today often require nutritional supplementation

DESCRIBE the competitive exclusion principle

DESCRIBE synaptic transmission

DESCRIBE the theory of evolution in one sentence

DESCRIBE the active site of an enzymes (in general)

DESCRIBE the interactions between the circulatory and respiratory system in human lungs

CALCULATE the number of individuals added to or removed from a population given rates of birth and death

CALCULATE allele or genotypic frequencies using the Hardy-Weinberg equation

IDENTIFY the function of a cell based upon its structure or organelle make up

IDENTIFY different levels of protein structure

IDENTIFY examples of ecosystem services from a list of choices

COMPARE the movement of energy and matter in ecosystems

COMPARE prokaryotic and eukaryotic cells

COMPARE plant and animal cells

COMPARE nucleotides

COMPARE amino acids

COMPARE ecological stability and resistance

SUGGEST likely outcomes from deforestation

SUGGEST the levels of protein structure that could be altered to effect its function(s)

SUGGEST the minimal components needed to recycle nutrients in the simplest of ecosystems

SUGGEST how well adapted structures originate in a population

DISCUSS how the biodiversity crisis relates to ecosystem services that benefit humans

DISCUSS the consequences that the production of oxygen had on earth & organisms

DISCUSS the implications of the biodiversity crisis

PREDICT the class of molecule based upon a molecular or structural formula

EXPLAIN why introduced species are have deleterious effects on communities

EXPLAIN the biodiversity crisis

EXPLAIN how habitat fragmentation relates to extinction

EXPLAIN why ecosystem services are rarely included in economic analysis

EXPLAIN the sources of variations for evolution to work with

EXPLAIN inducible and repressible operons

EXPLAIN why most cells are surrounded by fluid or watery environment

EXPLAIN keystone predators

EXPLAIN gene duplication

EXPLAIN why evolution is unable to produce perfect structures or organisms

EXPLAIN the endomembrane system

DEDUCE evolutionary fitness based upon changing gene frequencies in a population

PREDICT the outcome of an accident on populations with differing diversities

ANALYZE the logistic growth equation to determine relationships between the variables