

DEFINE gross primary production
DEFINE transpiration
DEFINE percolation, leaching, infiltration, decomposition
STATE the average or approximate efficiency of energy transfers through trophic levels
STATE the nutrient that is most often limited in aquatic ecosystems
STATE the layer of the atmosphere where most weather occurs
LIST the reactants for photosynthesis
LIST characteristics used to classify biomes
LIST ecosystem services provided by wetlands
OUTLINE the relationship between temperature and NPP in terrestrial biomes
OUTLINE the flow energy through trophic levels
OUTLINE the water cycle
OUTLINE the effect(s) of deforestation on the carbon cycle
OUTLINE nitrogen fixation
OUTLINE the conclusion(s) of the Hubbard Brook Watershed Experiment
OUTLINE the reason for more rain falling near the equator compared to other latitudes
OUTLINE coral bleaching
DESCRIBE the carbon cycle
CALCULATE the NPP
IDENTIFY from a list human activities that effect the water cycle
IDENTIFY an aquatic zone where you are most likely to find decomposers
IDENTIFY from a human activity that most effects the carbon cycle
IDENTIFY the limiting reactant in an ecosystem after a reading a passage
IDENTIFY the effects of clear cutting an area on its *watershed below (*its rivers)
IDENTIFY a particular season in a given hemisphere using an illustration of the earths rotation around the sun
IDENTIFY layer(s) of the atmosphere from a illustration
IDENTIFY a biome based upon rainfall and temperature using a climograph
COMPARE autotrophs, heterotrophs, decomposers
COMPARE the productivity of two biomes using the NPP figure (bar graph)
COMPARE climate and weather
COMPARE the density of the different layers of the atmosphere
SUGGEST the latitude on earth that would receive the most direct sunlight throughout the year
DISCUSS why US laws limit the levels of sulfur in gasoline
DISCUSS the effect and importance of upwellings
DISCUSS the importance or significance of global ocean currents
EXPLAIN how oxygen levels in a lake change over time as a result of eutrophication
EXPLAIN how the earths equator is hotter than the poles
EXPLAIN the major role that gyres play in global climate
EXPLAIN the global ocean currents and include the role water temperature and salinity in your discussion
DEDUCE an ecosystems levels of resistance and resilience after analyzing its nutrient cycling and energy flow before and after a disturbance
PREDICT the amount of energy found in each trophic level of a given pyramid of energy
PREDICT how the pressure and volume of air changes as it rises
PREDICT the final position of plane if it takes off from the north pole and flies south, using what you know about the coriolis effect