

Biodiversity Review Answers

1. a) Abiotic = non-living i.e. water, rocks, temperature

b) Biotic = living

c) Heterotroph = organism that cannot make its own food

d) Decomposer = organism that feeds on dead and/or decaying materials

e) consumer = organism that must eat producers or other consumers

f) autotroph = organism that can make its own food

g) Producer = an autotroph
= all plants

h) population = all of the members of a species living in a particular area

i) community = the collection of all the populations

j) Ecosystem = the set of relationships between populations and the abiotic factors in the environment

k) Omnivore = a carnivore which eats both plants and animals

l) Carnivore = an animal that only eats other animals

m) Herbivore = an animal that only eats producers (plants)

n) Habitat = an organism's physical address

o) Niche = the role an organism plays in its habitat

p) Organism = one individual of a species

r) Trophic level = feeding level where they are feeding at i.e. Primary, Secondary etc

s) Food Pyramid = displays how energy is lost as you move up a food chain or web

q) ecology - the study of interactions of living things in the environment

t) primary consumer - the first consumer in the food chain/web, normally eats producers

u) secondary consumer- the second consumer in the food web/chain, eats other animals.

v) exotic species - new species to the ecosystem that normally does not live there

w) ecotone - the transition area between two ecosystems, contains organisms from both ecosystems.

x) detritus - waste from plants and animals, including their dead remains

y) biodiversity- the number of species in an ecosystem