

Unit 8 – Population Ecology & Human Impacts on Ecosystems

B3.4A

Describe ecosystem stability. Understand that if a disaster such as flood or fire occurs, the damaged ecosystem is likely to recover in stages of succession that eventually result in a system similar to the original one.

B3.4A.a In the case of a natural disaster, I can make predictions about the succession of the resulting ecosystem.

B3.4C

Examine the negative impact of human activities.

B3.4d

Describe the greenhouse effect and list possible causes.

B3.4e

List the possible causes and consequences of global warming.

B3.5A

Graph changes in population growth, given a data table.

B3.5B

Explain the influences that affect population growth.

B3.5B.a I can give examples of environmental factors that can affect population growth.

B3.5C

Predict the consequences of an invading organism on the survival of other organisms.

B3.5e

Recognize that and describe how the physical or chemical environment may influence the rate, extent, and nature of population dynamics within ecosystems.

B3.5f

Graph an example of exponential growth. Then show the population leveling off at the carrying capacity of the environment.

B3.5g

Propose how moving an organism to a new environment may influence its ability to survive and predict the possible impact of this type of transfer.