

Chapter 21 Section 4 Changes in Communities

p. 730-733

Succession - the predictable changes that occur.

primary succession - the series of changes that occur in an area where no soil or organisms exist.

pioneer species - the first species to populate an area.
are often carried to the area by wind, or water,
(mosses or lichens)

lichens - (fungi and algae growing in a symbiotic relationship).

Secondary succession - the series of changes that occur in an area where the ecosystem has been disturbed, but where soil and organisms still exist.

Unlike primary succession, secondary succession occurs in a place where an ecosystem currently exists.

Population density = Number of Individuals
Unit area

Questions. p. 733

1a. Primary succession is the series of changes that occur in an area where no soil or organisms exist.

Secondary succession is the series of changes that occur after a disturbance in an existing ecosystem.

1b. Before primary succession not even soil is present, so the process is relatively slow.

Secondary succession generally occurs more rapidly than primary succession.

1c. Secondary succession; before the sidewalk was built, soil was present and an ecosystem had existed there.