

Ecological Succession and Stability

I. How do ecosystems arise?

- A. The _____ and _____ change in species composition of a community over time.
- B. Some species colonize and their populations _____ while other populations _____.
- C. _____
- D. Community _____ occurs where fairly constant conditions continue.
- E. A variety of populations with genetic diversity is the most stable.

Example:

- A corn field (monoculture) infected by a deadly virus may die out. But if the field has many other plants (polyculture), the community would not change as much.

II. Two Types of Succession

A.

- a. Occurs where there is no soil
- b. Lifeless area where no community existed before
- c. Examples:

- On land from retreating
- On the surface of
- On newly

B.

- a. Occurs after the disturbance of an
- b. Re-building on