

EnvSci 7.3

Goals

- * Distinguish between sympatric and allopatric speciation
- * Characterize the influence of habitat stability on speciation

Plan

Reading discussion (30 min)

Defining types of speciation and biodiversity (10 min)

Basic neutral theory: biodiversity is determined by the rate of speciation minus extinction rate

Video: Speciation (10 min)

Speciation scenarios (20 min)

Broad research question: (20 min)

Would a stable environment or a patchy environment lead to higher diversity in life?

Which is more important to forming biodiversity: Natural selection or drift

What factors influence biodiversity?

Why is biodiversity valued?

Cladograms (Remainder)