


# Module 11: Ecology

## Topic 4 Content: Characteristics of a Climax Community Notes

### Introduction

**Charac** Introduction

Ultimately, succession slows, and there are fewer changes in a community. As a community matures and reaches a stable balance of abiotic and biotic factors, it becomes a climax community. In this interactivity, click on each of the spinning icons to learn more the characteristics shared by climax communities.



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#### High Biodiversity

Characteristics of a Climax Community



**High Biodiversity**  
There is a high level of biodiversity, which forms a complex food web.

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#### Species/Climate Match

Characteristics of a Climax Community



Species/Climate Match  
The vegetation present in the community matches well with the climate.


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#### Species Stability

Characteristics of a Climax Community



**Species Stability**  
Because the species present are well adapted to the climate, the species types and numbers tend to stay stable.


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#### Energy and Nutrient Cycles

Characteristics of a Climax Community



Energy and Nutrient Cycles  
The energy and nutrients cycling in and out of the soil do so in equilibrium.

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