

This is a study guide to help you to organize your notes based on the Objectives for this Module. This is not graded and is provided only as a study aid. To use it, fill in the table. Box 1 will ask you to redefine the terms or explain the concept. Box 2 will ask you to provide information about where you can find this information. Provide enough information in this box for you to be able to use this box as a reference to finding the information again. Box 3 will ask you to give an example or try to apply the concept to a new situation.

Define ecosystem, succession, and invasive species.

Define ecosystem, including what is meant by "living" and "non-living" environment. Define succession. Define invasive species.	Where is this information located?
1	2

Identify basic types of ecosystems.

What does a system need to have to be defined as an ecosystem?	Where is this information located?	What are some basic ecosystems you might have heard of (or read about in our book)? Is your house a ecosystem? What about your backyard? Why or why not?
1	2	3

Define biodiversity and recognize how humans in general have increased or decreased biodiversity.

Define biodiversity.	Where is this information located?	Give examples of how humans have changed the biodiversity of some ecosystems.
1	2	3

Describe how ecosystems change (succession), specifically in Indiana and Indianapolis.

Describe natural succession. Describe anthropogenic succession. Why are these different?	Where is this information located?	List some examples in Indianapolis.
1	2	3

Describe how ecosystems can become imbalanced or damaged.

Describe destructive succession. What are the causes and effects?	Where is this information located?	Can these be prevented? How?
1	2	3

Summarize how the Center for Earth and Environmental Science is improving ecosystems.

Describe productive succession (restoration). What are the causes and effects?	Where is this information located?	How does IUPUI's CEES contribute to productive succession/restoration around Indianapolis?
1	2	3

Discuss the geopolitical issues surrounding ecosystem management (from readings and online content).

This goes back to land use discussions started in the Soils module. Explain the difference between conservation and preservation.	Where is this information located?	Why is preservation less attractive to people than conservation?
1	2	3

Describe invasive species, identify examples of invasive species and describe how invasive species can damage ecosystems.

Define invasive species. Why are they problematic? How do invasive species get around?	Where is this information located?	Give examples of invasive species here in Indiana.
1	2	3