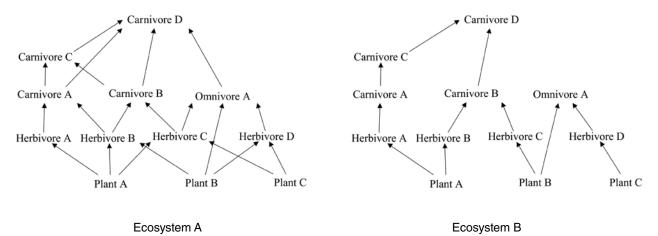
## Lab 11. Ecosystems and Biodiversity: How Does Food Web Complexity Affect the Biodiversity of an Ecosystem?

## **Checkout Questions**

Use the figure below to answer questions 1 and 2. The figure illustrates the food webs of two different ecosystems. Ecosystem A has a simple food web and Ecosystem B has a complex one.



- 1. Which ecosystem has greater biodiversity?
  - a. Ecosystem A
  - b. Ecosystem B
  - c. Ecosystems A and B have the same amount of biodiversity
  - d. Unable to determine from the information provided

Explain your answer.

## **LAB** 11

ove	r time?
a.	Ecosystem A
b.	Ecosystem B
c.	Ecosystems A and B will both sustain a large amount of biodiversity
d.	Unable to determine from the information provided
Ех	plain your answer.
	inferences that are made by a scientist are influenced by his or her backgr
	inferences that are made by a scientist are influenced by his or her backgraph past experiences, but the observations made by a scientist are not.
and	
and	past experiences, but the observations made by a scientist are not.
and a. b.	past experiences, but the observations made by a scientist are not.  I agree with this statement.
and a. b.	past experiences, but the observations made by a scientist are not.  I agree with this statement.  I disagree with this statement.
and a. b.	past experiences, but the observations made by a scientist are not.  I agree with this statement.  I disagree with this statement.
and a. b.	past experiences, but the observations made by a scientist are not.  I agree with this statement.  I disagree with this statement.  Eplain your answer, using examples from your investigation about ecosyst
and a. b.	past experiences, but the observations made by a scientist are not.  I agree with this statement.  I disagree with this statement.
and a. b. Ex	past experiences, but the observations made by a scientist are not.  I agree with this statement.  I disagree with this statement.  Eplain your answer, using examples from your investigation about ecosyst

5.	Scientists often attempt to identify patterns in nature. Explain why the identification of patterns is useful in science, using an example from your investigation about ecosystems.
6.	An important goal in science is to identify the underlying cause of a natural phenomenon. Explain why it is important for scientists to learn about underlying causes, using an example from your investigation about ecosystems.

8. Biological systems, such as ecosystems, often go through periods of stability and change. Explain what this means, using an example from your investigation about ecosystems.