

Name: _____

Period: _____

Model Ecosystems Virtual Lab

http://www.mhhe.com/biosci/genbio/virtual_labs/BL_02/BL_02.html

1. Fill in the data on the number of organisms in each ecosystem below.

ECOSYSTEMS	Producers	First Order Heterotrophs	Second Order Heterotrophs	Third Order Heterotrophs
Deciduous Forest				
Hot Desert				
Grassland				
Antarctic Ocean Shore				
Freshwater Lake				

2. Fill in the data with the amount of energy at each level in the following ecosystems.

ECOSYSTEMS	Producers	First Order Heterotrophs	Second Order Heterotrophs	Third Order Heterotrophs
Deciduous Forest				
Hot Desert				
Grassland				
Antarctic Ocean Shore				
Freshwater Lake				

3. Suggest reasons why the information represented in the pyramid of numbers of animals of one of the ecosystems you studied may not truly represent that ecosystem.
4. According to your data, what is the ratio of third-order consumers to producers? Explain your answer.

Virtual Lab 10 Model Ecosystems

Donald Mackay, Wan-Ying Shiu, Kuo-Ching Ma, Sum Chi Lee



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