3.04 Biodiversity

Define biodiversity:

Diversity type

Species

Big Picture: How do biotic factors impact biodiversity in an ecosystem?

Complete the chart with a summary of each biodiversity type:

It describes the

Richness:

Abundance:				
Genetic				
Ecological				
Native Versus Invasive Spe	ecies			
Define native species:				
Complete the chart with information about these two categories of native species:				
Keystone	Indicator	Endemic		
Invasive				
How Invasive Species Travel NOAA				
According to most federal organizations, an invasive species is any				
An invasive species can be introduced to an area through four mechanisms. Explain each:				

Description

Unless Otherwise Noted All Content © 2024 Florida Virtual School. FlexPoint Education Cloud™ is a trademark of Florida Virtual School.

Summarize the impact of introducing Asia	an honeybee to fight off the Asian giant	hornet.
Biotic Interactions and Numbers		
Describe three main factors that can imp	act the size of a population in an ecosyst	em and explain how rich diversity is.
1.		
2.		
3.		
Define biological surplus:		
One consequence of biological surplus is		
Human Impact on Diversity		
Examples of natural disruptions to ecosys	stems are	
Examples of human disruptions to ecosys	stems include	
Complete the chart with information abo	out these human-induced disturbances:	
Deforestation	Agriculture	Dams

Biodiversity Threats

Explain why biodiversity is important:

Six major threats to biodiversity referred to by the acronym HIPPCO are:

Unless Otherwise Noted All Content © 2024 Florida Virtual School. FlexPoint Education Cloud™ is a trademark of Florida Virtual School.

Unless Otherwise Noted All Content © 2024 Florida Virtual School. FlexPoint Education Cloud™ is a trademark of Florida Virtual School.

Generalists versus Specialists				
Compare and contrast generalist and specialist species. Given an example of each type and their characteristics.				
Reproductive Strategies				
Complete the chart:				
r-selected	K-selected			
Description				
Example	es			
Reproduction:				
Explain why some species have less offspring than others?				
Invasive versus K-selected				
Compared to native species, invasive species are often				
Native species are often				
Summarize what happens when invasive species enter a new environment and the impact on K-selected species.				
Conradina Grandiflora				
Summarize how an invasive species has impacted the Conradina Grandiflora.				

Unless Otherwise Noted All Content © 2024 Florida Virtual School. FlexPoint Education Cloud™ is a trademark of Florida Virtual School.

How is this endemic species' growth being promoted?