

# Unit 3 Mid Term Jeopardy

<b>Biodiversity</b>	<b>Ecological Interactions</b>	<b>Population</b>	<b>Succession</b>	<b>Miscellaneous</b>
<u>\$100</u>	<u>\$100</u>	<u>\$100</u>	<u>\$100</u>	<u>\$100</u>
<u>\$200</u>	<u>\$200</u>	<u>\$200</u>	<u>\$200</u>	<u>\$200</u>
<u>\$300</u>	<u>\$300</u>	<u>\$300</u>	<u>\$300</u>	<u>\$300</u>
<u>\$400</u>	<u>\$400</u>	<u>\$400</u>	<u>\$400</u>	<u>\$400</u>
<u>\$500</u>	<u>\$500</u>	<u>\$500</u>	<u>\$500</u>	<u>\$500</u>

System that includes all variety of life in the world or in a particular habitat or ecosystem

Answer

# What is Biological

\$100



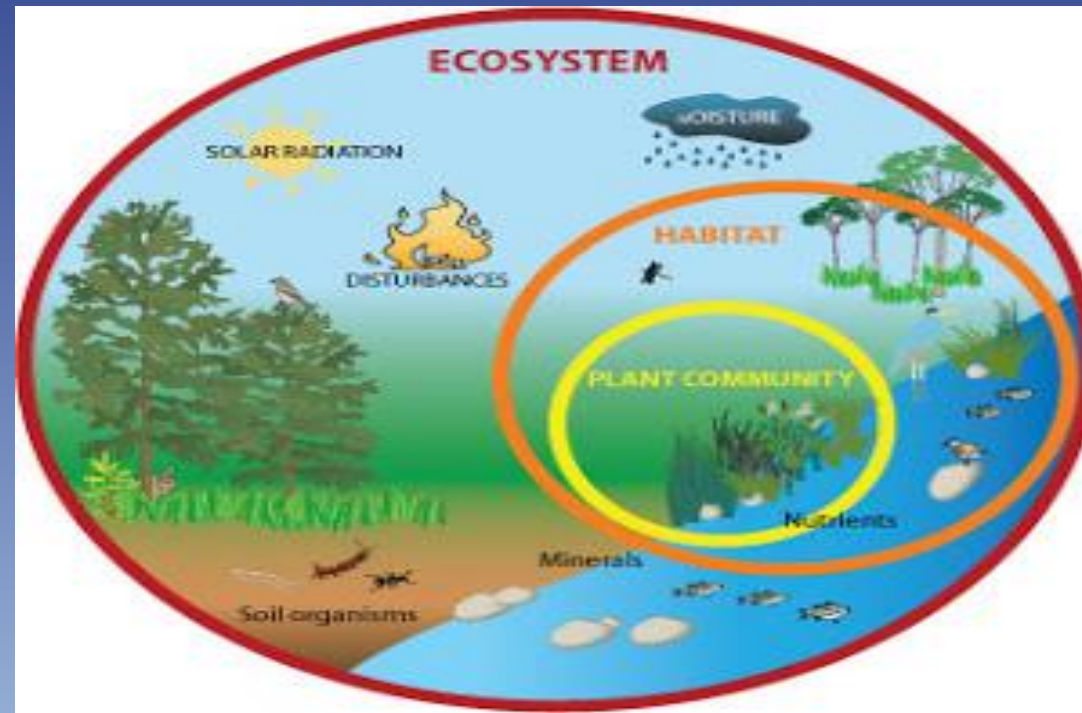
System that includes all living (biotic) and non-living (abiotic) things in a community

**Daily Double!**

Answer

# What is Ecosystem

## \$400



# What is the relative abundance of Species A?

Species Name	# of Individuals	Relative Abundance
German Shepherd	47	Species A
Dalmatian	57	27%
Labrador Retriever	48	23%
Pit bull	60	Species D
Species Richness = 4	Total #: 212	

Answer

What is 22%  
\$300

$$47/212 \times 100 = 22\%$$





# The community with the greater relative abundance

**A**

Species Name	# of Individuals	Relative Abundance
Siberian Husky	131	33%
Cocker Spaniel	147	37%
American Bulldog	120	30%
Species Richness = 3	Total #: 398	

**B**

Species Name	# of Individuals	Relative Abundance
Black Tip Reef	210	50%
Hammerhead	91	22%
Great White	119	28%
Species Richness = 3	Total # = 422	

Answer

# What is Community A

\$400



Explain how a community would look if it was biologically diverse

Answer

What is the relative abundance would be the same or closer in percentage  
\$500



A tick attaches itself to a dog. The tick begins to consume the dog's blood supply without replenishing.

Answer

# What is Parasitism

\$100



**In a crowded forest community, the light and nutrients available are limited. All tree species in this community need light and nutrients to obtain their food and reproduce. Some may not survive.**

Answer

# What is Competition

## \$200





Barnacles attach themselves to whales which gives them a place to live. The whale is unharmed and does not pay much notice.

**Daily Double!**

Answer

# What is Commensalism

\$600



Sea anemones give protection to a crab using its stinging cells, and it remoulds its shell to fit the crab while the hermit crab allows the sea anemones to consume the remains of its food, thus it also provides the sea anemones with food supply.

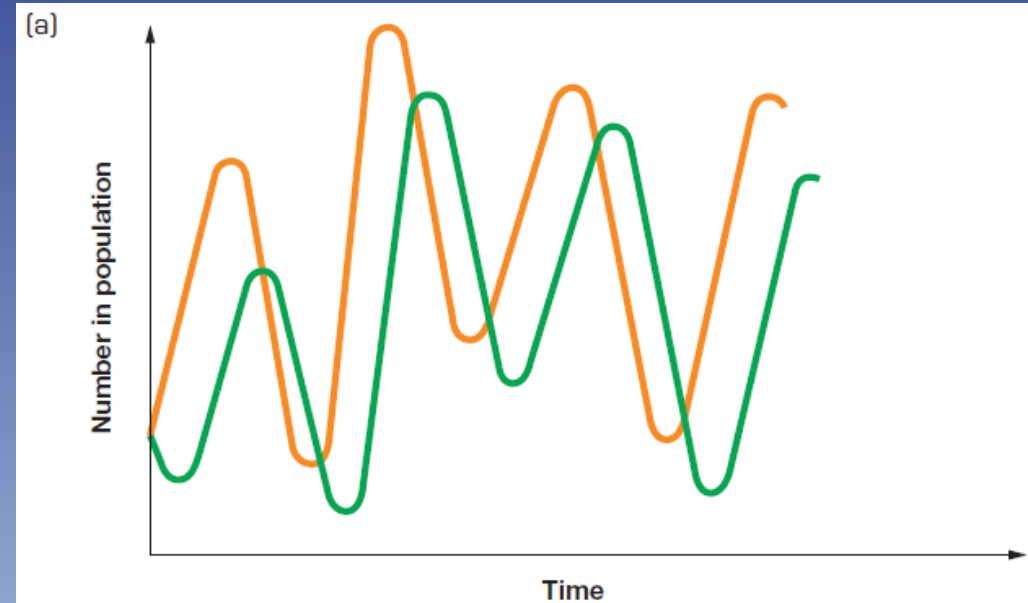
Answer

# What is Mutualism

\$400



The graph below illustrates:



Answer

# What is Mutualism

\$500



# The curve type of Exponential Growth and Logistic Growth

Answer

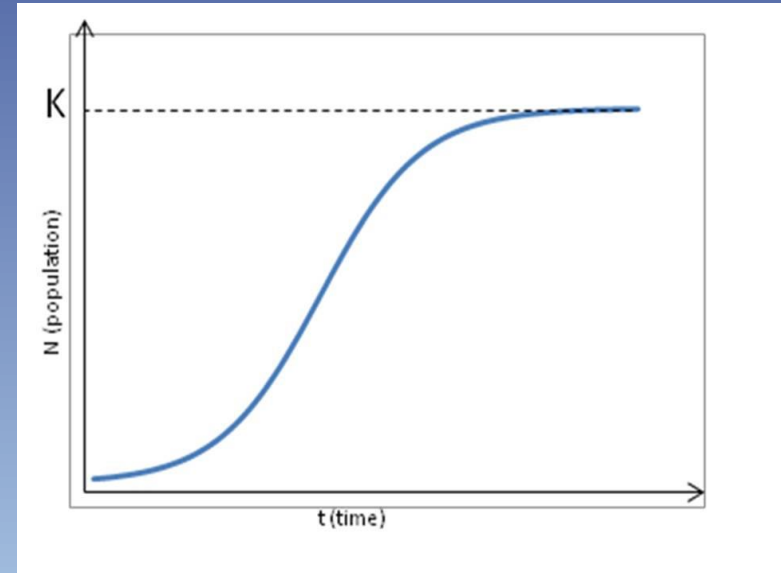
# What is a J-Curve for Exponential Growth and a S-Curve for Logistic Growth

\$100

Exponential Growth



Logistic Growth





The 2 factors that increase/decrease  
population

Answer

What is Increases: Immigration and Greater Birth Rate

Decreases: Emigration and Greater Death Rate  
\$200

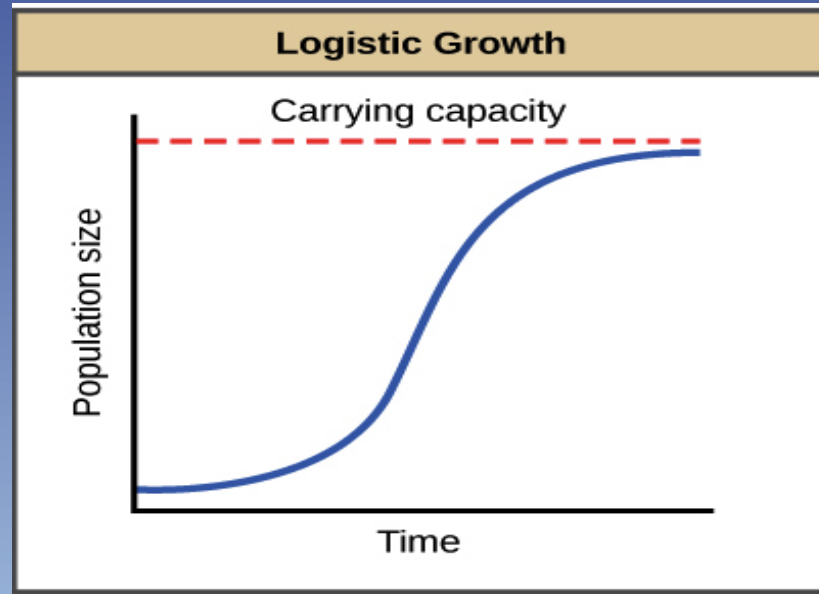


The type of graph that shows carrying capacity  
and where it occurs on the graph

Answer

What is a logistic growth graph and it occurs where the population stops increasing (levels out)

\$300

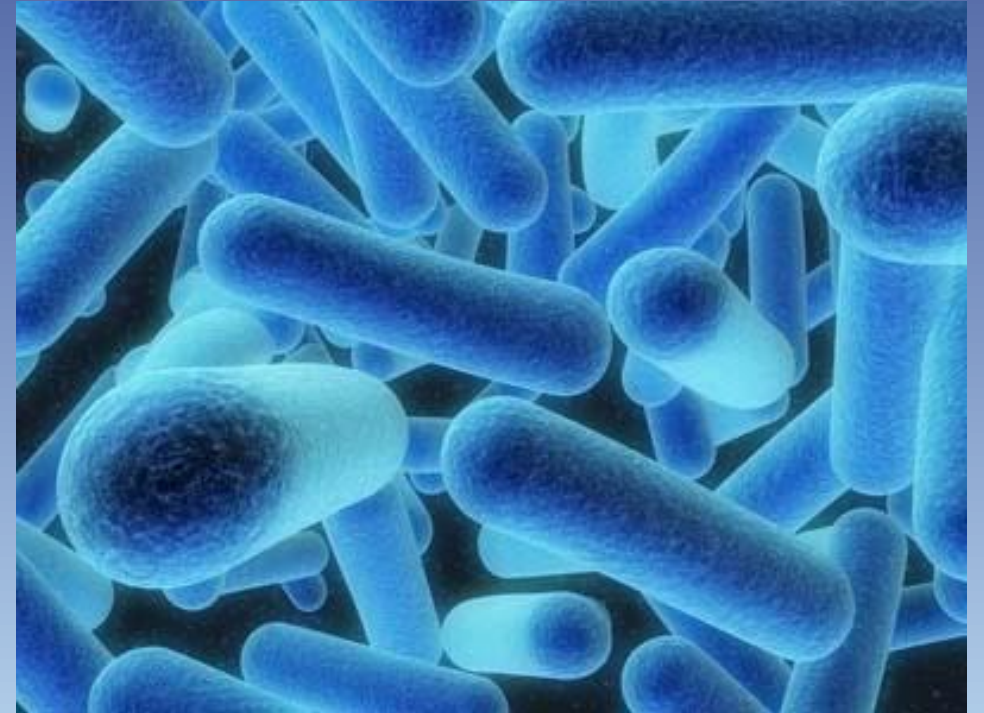


Name 2 examples of limiting-dependent factors and what size of population they affect

Answer

# What are Competition, Parasitism by disease, or Predation and they affect LARGE (increasing) Populations

\$400



Name 2 examples of limiting-independent factors and what size of population they affect.

Answer

# What are Natural Disasters, Drought and Flood and they affect ANY size population.

\$500



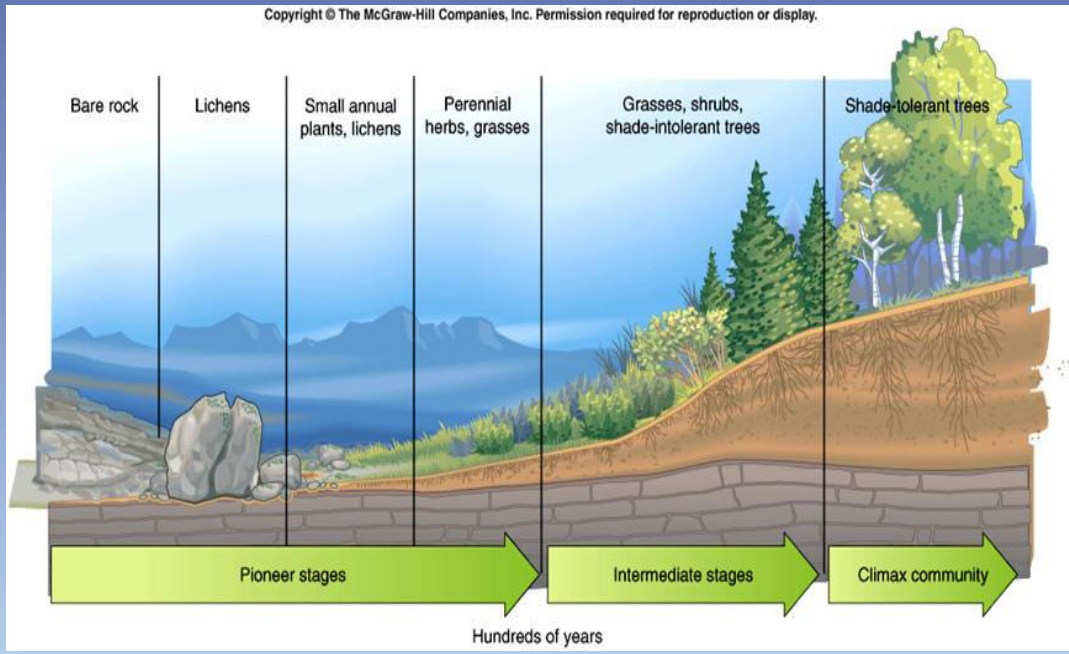


What does each type of succession begin with  
and which takes longer to rebuild?

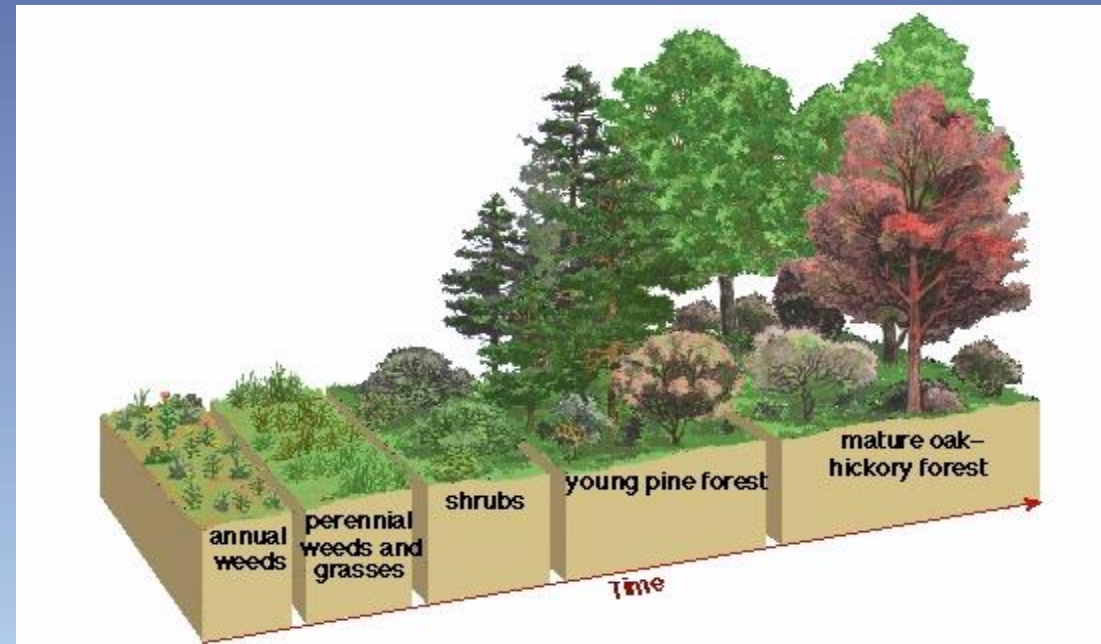
Answer

# What is rock in primary succession and soil in secondary succession. Primary succession takes longer \$100

## Primary Succession



## Secondary Succession

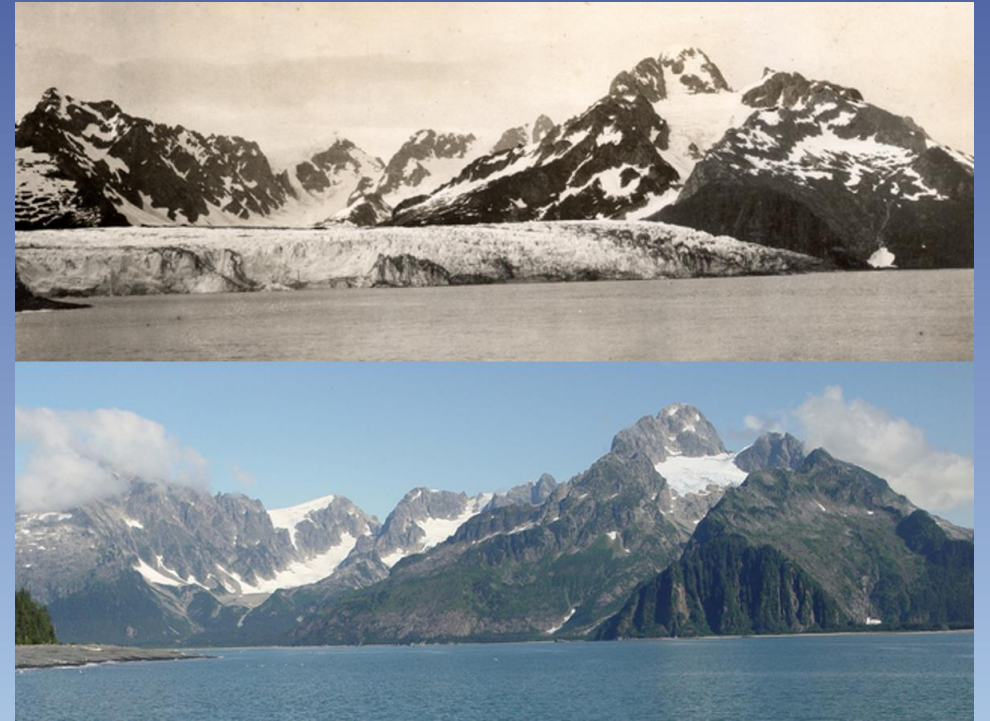


Name 2 examples of Primary Succession

Answer

# What are volcanic eruptions and glacial retreat

\$200



Name 2 Examples of secondary succession

Answer

# What are deforestation, forest fires, and farming

\$300



Which succession takes longer and why?

Answer

What is primary succession because it begins  
with rock instead of soil

\$400



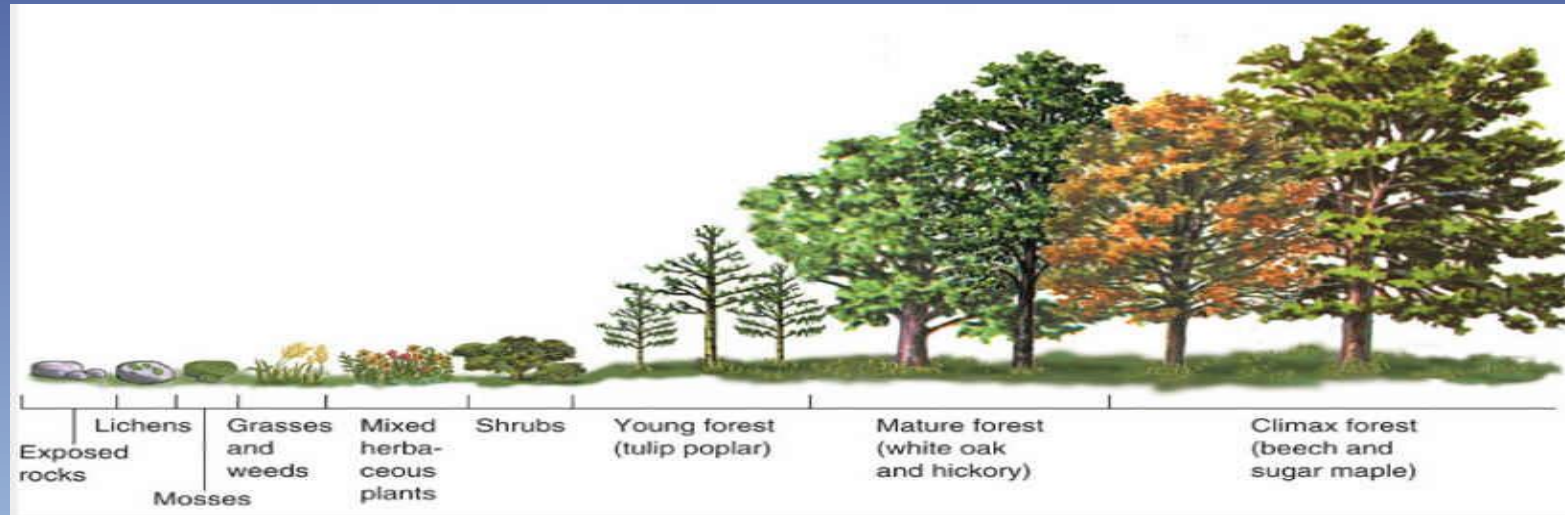


Why do trees begin to show up much later than herbaceous/ground plants

Answer

What is the longer time it takes to grow and  
the greater amount of nutrients needed

\$500



Where the wolves were introduced to decrease the population of elk

Answer

# Where is Yellowstone \$100



The first species to colonize a community

Answer

# What is Pioneer Species

\$200



A stable, mature community as long as it is not  
often disturbed

Answer

# What is a climax community

\$300

## Climax Communities





Mrs. Martinez's High School

**Daily Double!**

Answer

# Plainfield East!

\$800



Type of bird that represents Thanksgiving

Answer

Turkey!  
\$500

