

## CHAPTER 56-57: Community Ecology

1) What is meant by the "trophic structure" of a community?

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2) What does a food web show that isn't indicated by a food chain?

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3) Define the following:

a) omnivore: \_\_\_\_\_

b) herbivore: \_\_\_\_\_

c) carnivore: \_\_\_\_\_

d) detritivore: \_\_\_\_\_

e) biomass: \_\_\_\_\_

f) primary producer: \_\_\_\_\_

g) trophic level: \_\_\_\_\_

Name: \_\_\_\_\_

4) Using **Figure 57.4**, explain why each environment has a slightly different energy flow characteristic.

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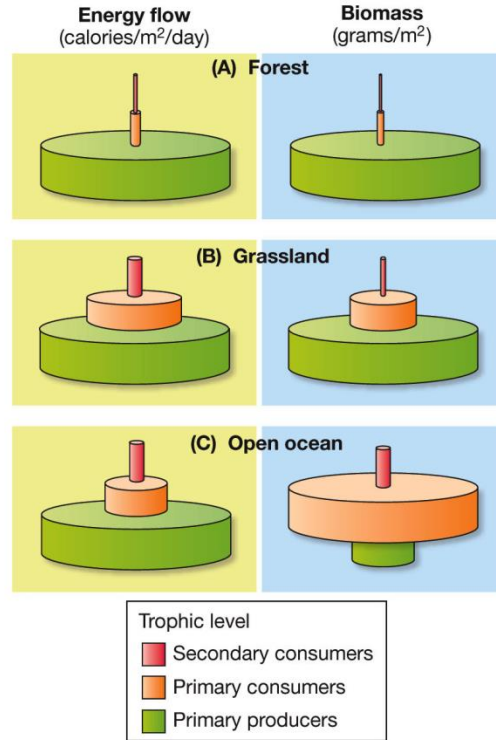
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5) Approximately how much energy is transferred from level to level as it moves through trophic levels?

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6) Fill in the chart of interspecific interactions.

Interaction	Effects of Population Densities	Example
Predation/Parasitism		
Competition		
Mutualism		
Commensalism		

Name: \_\_\_\_\_

7) What is the competitive exclusion principle?

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8) Define ecological niche.

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9) Define a keystone species and why are they so important to a community?

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10) Define ecological succession.

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11) What is the difference between primary and secondary succession?

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12) What has happened to the wildfire rate and severity of fires in the last 100 years? Why?

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13) What is the significance of species richness/biodiversity?

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