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### Learning goals

1	2	3	4	5
Define ecosystem and ecosystem ecology	Define and give examples of biomes	Map energy flow through ecosystems	Map and carbon, nitrogen, and phosphorus cycles	Explain how humans impact those cycles

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### Ecosystem Ecology

- The study of how matter flows and/or cycles through the living and non-living components of an ecosystem

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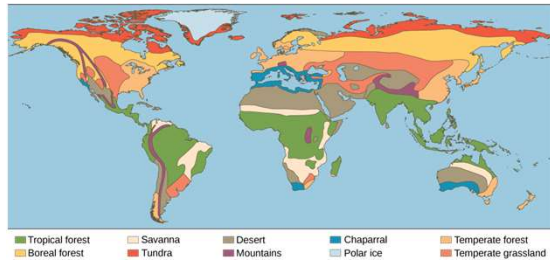
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## Terrestrial biomes



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## Aquatic biomes



- Defined by:
- Depth
- Flow
- Salinity

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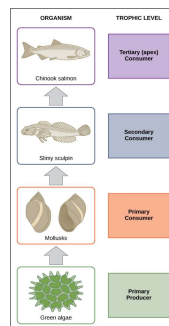
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## Energy flow



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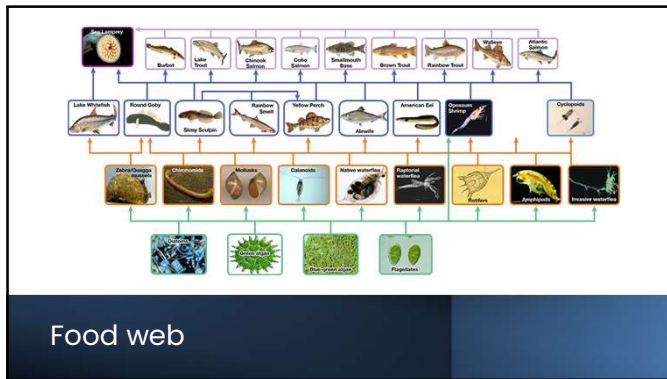
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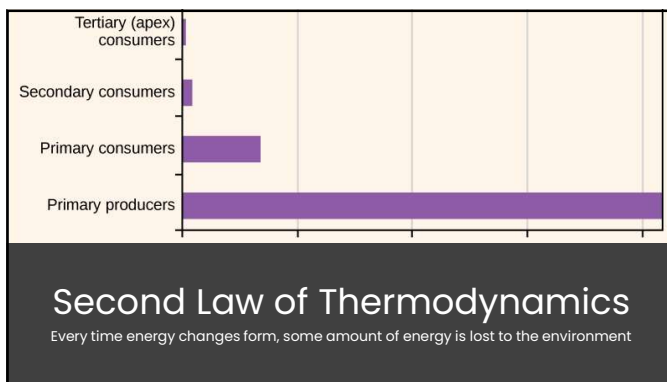
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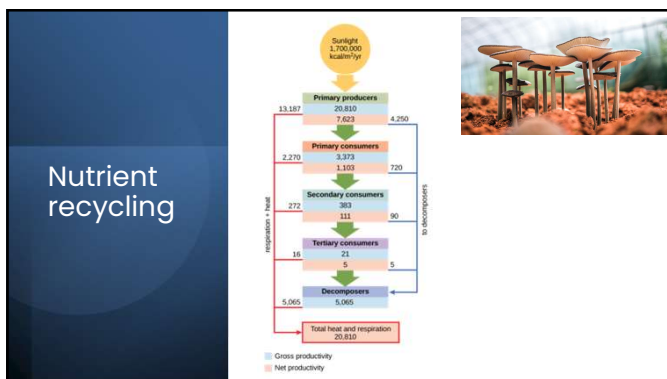
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Discussion:  
What about  
ecosystems  
in cities?

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