KEY CONCEPT

Life in an ecosystem requires a source of energy.



- Producers provide energy for other organisms in an ecosystem.
 - Producers get their energy from non-living resources...

Producers Are-

Producers get their food and energy from the sun. (PLANTS)



 They make their food through a process called photosynthesis.



- Producers provide energy for other organisms in an ecosystem.
 - Producers are also called autotrophs because they make their own food.

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 \text{Examples of producers:}
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Grasses



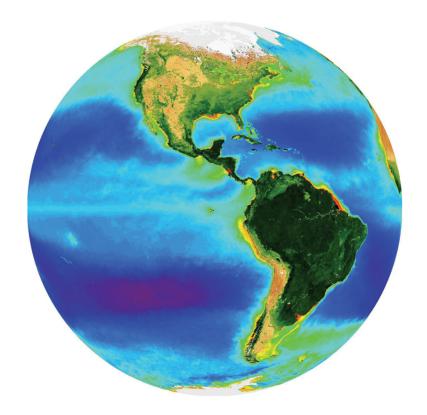
Shrubs





Trees

- Producers provide energy for other organisms in an ecosystem.
- This chlorophyll image shows chlorophyll abundance to how the distribution of producers in the Western Hemisphere



* Dark green areas area heavily forested while yellow areas have limited vegetation.

- Producers provide energy for other organisms in an ecosystem.
 - Consumers are organisms that get their energy by eating other living or once-living resources.





- Producers provide energy for other organisms in an ecosystem.
 - Consumers are also called heterotrophs because they feed off of different things.







- Almost all producers obtain energy from sunlight.
 - Photosynthesis in most producers uses sunlight as an energy source.
 - Chemosynthesis in prokaryote producers uses chemicals as an energy source.



Processes by which producers obtain energy

