3-2 Energy, Producers, & Consumers

Primary Producer

* Living things operate by
  + Can not , must come from
* Autotrophs
  + Capture energy from to produce
  + energy for other organisms to consume “ ”

Energy from the Sun

* Photosynthesis
  + Capture of and converting and Water to
  + What is the purpose of photosynthesis for animals?
* are needed for
* What are the photosynthetic bacteria called that are located in tidal flats and salt marshes?

Life without Light

* Areas without need a primary producer for the ecosystem to
* Chemosynthesis harness energy to create
* Write below the chemosynthesis shown on page 70
* The location for these organisms can be at or hot springs

Consumers

* must acquire their energy from other organisms in some way
* Fill out the chart using page 71 to describe each type of heterotroph

|  |  |  |
| --- | --- | --- |
| **Consumer** | **Description** | **Example** |
| **Carnivore** |  |  |
| **Herbivore** |  |  |
| **Scavenger** |  |  |
| **Omnivore** |  |  |
| **Decomposer** |  |  |
| **Detritivore** |  |  |

Beyond Consumer Categories

* Categorizing organisms by what they eat is far
* Herbivores
  + Seeds and fruit are with loads of – plants are not
  + Very few organisms ( ) can handle eating just
* Describe on page 72 the difficulty of a hyena and aquatic animals