3-3 Energy flow in Ecosystems

Food Chain and Food Webs

* Energy flows in a from producers to various
* Food Chain
* Series of steps in which organisms by eating and being
* Describe the prairie ecosystem on page 73
* Aquatic food chain
* Phytoplankton – – larger fish – – alligator

Food Webs

* A more because many organisms can fall in line in a food chain
* Many food chains in given areas can be used to describe an
* Look on page 75, how many different ways can there to get to the vulture from the algae? – name 2 of them

Decomposer and Detritivores

* consumers eat the and sometimes without eating all of them
* convert the material to – which is eaten by
* During this process the into the for

producers and starts the

Disturbances in the Food Web

* The food web is still a
* Describe how an oil spill might change a food web? (page 76)

Trophic Levels and Ecological Pyramids

* Each of the food chain is known as a
  + producers always make up the
  + Each step only the amount of energy consumed by
* A pyramid is shown relative to the available at each

Pyramids of Biomass and Numbers

* The total amount of living tissue within a given trophic level is
* The pyramid shows the at each level
  + What happens to the mass as you increase in the pyramid?