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| **Energy Roles**Energy enters as \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_Some \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ capture energy & store it as \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_Organisms that can \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ are called \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_* Are the \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Organisms that obtain energy \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ on other organisms are \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ break down \_\_\_\_\_\_\_\_\_\_\_\_\_ and dead \_\_\_\_\_\_\_\_\_\_\_\_\_\_ & \_\_\_\_\_\_\_\_\_\_\_\_\_\_ to the \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_* Known as \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**Transfer of Energy**When a zebra eats the grass \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ (much of it is not eaten)When a lion eats the zebra \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_(much of it is lost as heat)This shows that \_\_\_\_ organism \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ all of the \_\_\_\_\_\_\_\_\_\_\_ from the \_\_\_\_\_\_\_\_\_\_\_\_\_ they \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_Only \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ from one \_\_\_\_\_\_\_\_\_\_\_ level is \_\_\_\_\_\_\_\_\_\_\_ to the next* This is called the \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**Trophic Levels**\_\_\_\_\_\_\_\_\_\_\_\_\_\_ moves from one \_\_\_\_\_\_\_\_\_\_\_\_\_\_ to another when the \_\_\_\_\_\_\_\_\_\_\_\_\_\_ is eatenEach step in this \_\_\_\_\_\_\_\_\_\_\_\_ of \_\_\_\_\_\_\_\_\_\_\_\_ is known as the \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_* The main \_\_\_\_\_\_\_\_\_\_\_\_\_\_ are \_\_\_\_\_\_\_\_\_\_\_\_\_\_, \_\_\_\_\_\_\_\_\_\_\_\_\_\_, and \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**Food Chains & Food Webs**\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ series of events in which one \_\_\_\_\_\_\_\_\_\_\_\_ eats another and \_\_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_* First \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ in the food chain is ALWAYS a \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
* Second \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ in the chain feeds on the \_\_\_\_\_\_\_\_\_\_\_\_\_ and is called the \_\_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
* The Third \_\_\_\_\_\_\_\_\_\_\_\_\_ = \_\_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
* The Fourth \_\_\_\_\_\_\_\_\_\_\_\_ = \_\_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

http://www.whales.net/Portals/110960/images/whale_trophiclevels_01.giffood_chainFood chains only show one path that energy can move, BUT…\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_ consists of many overlapping \_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_ in an \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_* Think of it as how we don’t eat the same thing every day; neither do \_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_

\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_ can interconnect in what is called a \_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_http://www.champaignschools.org/science/images/foodweb.gif**Energy Pyramids**\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_ shows the amount of \_\_\_\_\_\_\_\_\_\_\_\_\_\_ that moves from one \_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_ to another.When an \_\_\_\_\_\_\_\_\_\_ in an \_\_\_\_\_\_\_\_\_\_\_\_ eats, it obtains \_\_\_\_\_\_\_\_\_\_\_The \_\_\_\_\_\_\_\_\_\_\_ uses some of the \_\_\_\_\_\_\_\_\_ to move, grow, etc…This means only \_\_\_\_\_\_ of the \_\_\_\_\_\_ is available for the next \_\_\_\_\_\_\_\_\_\_\_ in the \_\_\_\_\_\_\_ \_\_\_\_\_\_\_The other \_\_\_\_\_ of the \_\_\_\_\_\_\_\_\_ is \_\_\_\_\_\_\_\_\_\_ or \_\_\_\_\_\_Only about \_\_\_\_\_\_ of the \_\_\_\_\_\_\_\_\_\_\_\_ at one level of the food \_\_\_\_\_\_\_ is transferred to the next \_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_As you move \_\_\_\_\_ the \_\_\_\_\_\_\_\_\_\_\_ each level has less \_\_\_\_\_\_\_\_\_\_\_\_ available than the level below.Most \_\_\_\_\_\_\_\_\_ is available at the \_\_\_\_\_\_\_\_\_\_\_ level of the \_\_\_\_\_\_\_\_\_\_Since so much \_\_\_\_\_\_\_\_\_\_\_\_ is \_\_\_\_\_\_\_\_ at each \_\_\_\_\_\_\_\_\_\_, the amount of \_\_\_\_\_\_\_\_\_\_\_ available at the \_\_\_\_\_\_\_\_\_\_\_\_ level limits the number of \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ that an \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ can support* So…usually there are fewer \_\_\_\_\_\_\_\_\_\_\_ at the \_\_\_\_\_\_\_\_\_\_\_ levels of the \_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_

pyramidhttp://wblrd.sk.ca/~sci10_dev/images/ecosystems_photos/pyramid_numbers.jpg |