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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 eaten  Each 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_chain  Food 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 \_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_   pyramid  http://wblrd.sk.ca/~sci10_dev/images/ecosystems_photos/pyramid_numbers.jpg |