| **Energy Flow in Ecosystems** | |
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|  | Watch this [Video](https://www.youtube.com/watch?v=826HMLoiE_o) on Energy Flow in Ecosystems  **?**  Write three sentences explaining Energy Flow seen in Kalahari Desert Ecosystem (Where do the Sand People get their energy? The Kudu? The Organisms the Kudu eat?)  **The Sand people get their energy from the animal that was killed by using its saliva to heal it’s burning muscles and its body to feed his family.** |
|  | * Download this copy of the [Vocabulary Slides](https://docs.google.com/presentation/d/13zjIjpd_MTjQ3mmvvx8VuT1aBPpd6g9nTaPfBEYj1tw/copy)   + Create each slide with the correct definition   + Include a picture on each which helps in your understanding of the word     - Use slide #1 as an example     - When you are done place a Link to it Below   [**https://docs.google.com/presentation/d/1gqLCcJ6iyeqAjWbgX2oMO8RDLyJSNl43PgN\_4WZbrOI/edit?usp=sharing**](https://docs.google.com/presentation/d/1gqLCcJ6iyeqAjWbgX2oMO8RDLyJSNl43PgN_4WZbrOI/edit?usp=sharing)   * Read this [National Geographic Article](http://www.nationalgeographic.org/encyclopedia/food-web/)   **?**  What is the difference between primary, secondary, tertiary consumers?  (include a quote from the article to support your explanation)  Primary and secondary consumers are usually carnivores, which apart from that tertiary consumers are carnivores that eat other carnivores   * Watch these 3 videos on Food Webs   [Fabulous Food Chains](https://www.youtube.com/watch?v=MuKs9o1s8h8&index=3&list=PLhz12vamHOnZv8kM6Xo6AbluwIIVpulio) [the Dirt on Decomposers](https://www.youtube.com/watch?v=uB61rfeeAsM&list=PLhz12vamHOnZv8kM6Xo6AbluwIIVpulio&index=4) [Home Sweet Habitat](https://www.youtube.com/watch?v=p15IrEuhYmo&index=8&list=PLhz12vamHOnZv8kM6Xo6AbluwIIVpulio)   * Check out this Food Chain Example:      * + Complete the [Food Chain Games (Select 2)](https://www.bbc.co.uk/bitesize/topics/zbnnb9q) * Watch this video on [Energy Pyramids](https://www.youtube.com/watch?v=CReZd9OHEfs)   **?**  Why is the Energy Pyramid shaped like a pyramid?  **As you move up the pyramid there isn't enough biomass as**  **there is on the bottom of the pyramid**  **Why does the energy ”go down” at each level?**  **They are escaping to go gain energy for themselves** |
|  | * Create a [Food Web](https://docs.google.com/drawings/d/1hd8u6C2uJTiea5nyVy7LsTHHIRmiZfBZpkJIYaEnEtg/copy) from the following images   [Copy of Food Web](https://docs.google.com/drawings/d/13BHuSyOCVo4rrFR6J7JbhoCMnjrrWlN9CfaPVjOBTBI/edit)   * Create an [Energy Pyramid](https://docs.google.com/drawings/d/19EdUkAdxh5zy-giHVmbbijLU4luAU8v9mg8E2al6m04/copy) on the following document   *(this should match what your food pyramid shows)*  [Copy of Energy Pyramid](https://docs.google.com/drawings/d/1O3ho2Ti8nEZV93j2ltotobUxNZo9v_l9Ssl9kIJzniY/edit) |
|  | **?**  Using your Food Web and Energy Pyramid describe the flow of energy through your ecosystem.   * *Start with the sun and end at your top predators.* * *Include the trophic levels* * *Describe what happens to energy as it moves through different organisms*   *Answer in at least 4 sentences*  The berries plant gets its energy from water and sunlight, the rabbit then eats the berries, the rabbit is then eaten by a Snake and the Snake is eaten by a Wolf.After the wolf eats the snake, it ends up dying and the decomposer comes in to decompose the wolf into organic materials.Everytime a consumer,consumes another animal it does not get 100% energy it only gains 10% energy.To gain 100% energy the consumer would need to eat 10 animals.  Unnamedggdgdgd.gif  *You are done,* ***Submit*** *this Doc. through Classroom* |
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