| **Energy Flow in Ecosystems** | |
| --- | --- |
|  | 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 hunting animals like the Kudu. The Kudu eats plants. These plants could be leaves, shrubs, twigs, grasses, herbs and roots** |
|  | * 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/1WbN-kX-vG3PQ5QyEGS58aoSfD6LDPNLuLXNa-Fz43A0/edit#slide=id.g1c758eb772\_1\_0**   * 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 consumers are herbivores. Secondary consumers eat herbivores. And Tertiary consumers eat secondary consumers.**   * 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)   A Pyramid shape is used because energy is lost at each trophic level when organisms use it up.  Why is the Energy Pyramid shaped like a pyramid?  **Why does the energy ”go down” at each level?**  **The energy goes down each level because the organisms have to undergo life activities.** |
|  | * Create a [Food Web](https://docs.google.com/drawings/d/1hd8u6C2uJTiea5nyVy7LsTHHIRmiZfBZpkJIYaEnEtg/copy) from the following images   https://docs.google.com/drawings/d/1gfcm5cr6H\_G0nqjYXAOIeO7QPlW28U3DvziQQzvdED0/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)*  https://docs.google.com/drawings/d/1vLR056nu-ELMv7M2cIGp\_vw95JFBHazQd721MX83bNc/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 sun produces energy which is then collected by the plant. The plant is then eaten by a primary consumer which could be a rabbit. The rabbit then could be eaten by a secondary consumer which could be a snake. Finally, my snake could be eaten by a tertiary consumer which could be a hawk.**  Unnamedggdgdgd.gif  *You are done,* ***Submit*** *this Doc. through Classroom* |
|  |  |