***Ideas and objectives***

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| 1. Define the terms ecosystem, community, trophic cascade
2. Investigate how species interactions affect the dynamics of ecosystems
3. Understand organisms can have both direct and indirect effects on other members of the ecosystem
4. Indirect effects occur when an organism’s activity or behaviour affects other organism with which they do not directly interact - this is trophic cascade
5. Trophic cascades can be found in diverse types of ecosystems
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***Read and watch more***



<http://www.jyi.org/issue/a-review-of-management-problems-arising-from-reintroductions-of-large-carnivores/> - what are the problems with reintroduction of top carnivores

<https://www.nps.gov/yell/learn/nature/wolves.htm> - more info on Yellowstone national park

<https://www.youtube.com/watch?v=M18HxXve3CM> - how whales change climate

<https://www.youtube.com/watch?v=LVJ5BKcAhAg> - food webs

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| ***Trophic cascades occur when predators in a*** [***food web***](https://en.wikipedia.org/wiki/Food_web) ***suppress the abundance or alter the behavior of their*** [***prey***](https://en.wikipedia.org/wiki/Prey)***, thereby releasing the next lower*** [***trophic level***](https://en.wikipedia.org/wiki/Trophic_level) ***from*** [***predation***](https://en.wikipedia.org/wiki/Predation) ***(or*** [***herbivory***](https://en.wikipedia.org/wiki/Herbivory) ***if the intermediate trophic level is a herbivore).*** |

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| *fill in the bubble diagram to sh*ow what happens to the populations of other species *in the Yellowstone National Park when wolves were reintroduced in 1995* |

