



# Biogeography

## Illustrating Species Importance

Name:

Section:

Score: \_\_\_\_ / 5

Directions: Answer the following series of questions related to Biodiversity that specifically look at a Trophic Cascade and Keystone Species.

### Keystone Species

Watch the Video "How Wolves Change Rivers" by Sustainable human

(<https://www.youtube.com/watch?v=ysa5OBhXz-Q>) and answer the following series of questions.

1. Based on the movie come up with a general definition for a Keystone Species
2. Explain how the wolf is used as an example of a Keystone species and how its reintroduction to Yellowstone had effects as such.

### Trophic Cascade

Watch the videos "How Whales Change Climate" by Sustainable Human

(<https://www.youtube.com/watch?v=M18HxXve3CM>) and "US Mexico Border wall" by NatGeo

(<https://video.nationalgeographic.com/video/magazine/focal-point/170905-ngm-focal-point-border-wall-animals-risk>) and answer the following series of questions.

3. Based on the movie come up with a general definition for a trophic cascade.
4. Explain how whales can create a natural trophic cascade using the example from "How Whales Change Climate"
5. Explain how humans can create a trophic cascade using the example from "US-Mexico Border Wall"