

Elk Migration: Yellowstone Ecosystem Research Guide

Name

Group Project Animal

PART I:

1. Draw a food web for elk that shows what it eats and which predators eat the elk.

2. What are the different kinds of ecosystems inside the Greater Yellowstone Ecosystem? Create a series of symbols to depict each one and label what each symbol means.

3. List at least five abiotic (nonliving) factors and at least five biotic (living) factors in the Greater Yellowstone Ecosystem.

Abiotic Factors	Biotic Factors

4. Write a short story (a few sentences) from the perspective of the elk about how one biotic and one abiotic factor affect elk migration.

5. Now switch perspectives and write about how elk migration affects the ecosystem.

6. How and where do humans fit into this ecosystem?

7. Explain what you think the explorer from the *Yellowstone's Great Migration* video meant when he said, "The elk migration shapes the ecosystem. The elk migration are the veins and arteries of the Greater Yellowstone Ecosystem."



PART II

Cascading effects diagram: *What would happen if the temperature got too hot for grass to grow where it normally does?*