

Community Interaction worksheet

A. Using the Food chain- Ecology Gizmo on my website fill in the following questions

1.If a disease strikes the snake population in the food chain shown, what will be the effect on the populations of hawks and rabbits?

- A. The populations of hawks and rabbits will decrease.
- B. The populations of hawks and rabbits will increase.
- C. The population of hawks will increase. The population of rabbits will decrease.
- D. The population of hawks will decrease. The population of rabbits will increase.

2.In the stable food chain shown below, what would you expect to happen initially if you were to suddenly double the population of rabbits?

- A. The populations of the other three species would also increase.
- B. The populations of the other three species would decrease.
- C. The grass population would decrease. The snake population and hawk population would increase.
- D. The grass population and hawk population would decrease. The snake population would increase.

3.What event within the food chain might lead to the graph shown below?

- A. A disease in the population of rabbits
- B. A disease in the population of snakes
- C. A disease in the population of hawks
- D. It's impossible to tell which of the above occurred.

4.What most likely caused the rabbit population to decrease over the first week shown in the following graph?

- A. A disease in the population of rabbits
- B. A decreasing population of grasses
- C. An increasing population of hawks
- D. A higher-than-ideal population of snakes