

Analysis Questions

What's For Lunch Lab

1. Draw 4 different food chains from the freshwater food web and label each of the trophic levels.
2. If the red-winged blackbird population suddenly decreased, what would initially happen to the mosquito and broad-leaved cattail populations? Explain
3. If the algae populations suddenly decreased, what would initially happen to the freshwater clam population? Explain
4. Using the situation from #3, how would the impact of a decrease affect the numbers of American black ducks compared to the numbers of spotted turtles? Explain
5. If the mosquitoes were to decrease, what would happen to the rest of the organisms?

Cats of Borneo Lab

1. Given the following organisms, construct a simple (and incomplete) food web: mosquitos, roaches, geckoes, caterpillars, grass roofs, rats, and cat
2. In your own words, briefly summarize the story of the use of DDT on Borneo using all the organisms from your food web in question #1.
3. What might WHO have done before it began its mosquito removal program?
4. What is biomagnifaction and how does it relate to the story?
5. What conclusion can you draw about the importance of any one species in an ecosystem?