

Name: _____ Class: _____ Date: _____

Owl Pellets Lab Report: Interactions of Organisms and Their Impact on Food Webs

Background Information:

Problem: Can we determine the roles and interactions of particular organisms in an ecosystem by studying their eating habits?

Hypothesis:

Materials:

Procedure: (See Attached)

Data Collection/Analysis: (See Attached)

Conclusion:

- In your conclusion focus on the following questions:
 - According to your data and observations, were you able to determine the role of the owl in this ecosystem?
 - What would happen to the number of prey in this ecosystem if the owl was removed due to something like habitat destructions? Why?
 - If the owl population increases over the next 5 years, what would this do to the food web you have created in the analysis?
 - If the vole was removed from the food web because of a pesticide, how would this affect the rest of the organisms in the web? Be specific and mention trophic levels.