

Student Activity Sheet

Inquiry B: *The Fly*

Objective: Students design an approach to solving a particular problem using the scientific method as they understand it prior to class and then modify their approach following a discussion during class which will clarify the nature of the method and its proper use.

Procedure:

1. After guided discussion, devise an investigation that addresses this question/problem that will be turned in at the end of class. The design of this experiment must ultimately include the following:
 - Personal observations of flies
 - Question upon which they are basing their hypothesis
 - Written hypothesis
 - Experiment to test the hypothesis (includes a control, replication, etc.)
 - Predicted outcome
 - Other experiments based on predicted outcomes

Formative Assessment of Inquiry B

1. Re-evaluate your 10-second definition, and working with your group, decide how or if you would modify their respective definitions.

Student Activity Sheet

Inquiry C: *The Raven*

Objective: Students read initial scientific observations from actual case studies and develop their own investigative strategies for each case study. Appropriate case studies are used as introductions to various topics throughout the course and the procedure for this activity may be used at that time.

Procedure:

1. Design an investigation to solve the problem presented in case study presented as a guided discussion by your instructor.

Formative Assessment of Inquiry C

1. What was the most difficult part of writing your investigation for this case study?

2. How was your investigative design different from the case study's author?