

Forensic Entomology Webquest

Directions: Go to the following website and answer the questions below.

<http://forensicentomology.com/>

Introduction

1. What was this site created for?
2. Based on the information in the introduction, would you say that forensic entomology is commonly used? Explain your answer.
3. What does postmortem interval estimations mean? How is it determined?
4. What do all law enforcement agencies need in order to be prepared for a case involving forensic entomology?

Definition

5. Define forensic entomology.
6. List and describe the three general areas of forensic entomology.
7. What insect is commonly responsible for automobile accidents and why? Is this a forensics issue? Why or why not?
8. List and describe three ways that blood stain spatter can be affected by insects.

Life Cycle

9. Draw all stages of blow fly development (maggot, pupae, puparium, adult) and then draw a life cycle diagram for blow flies (you may need another site for this).

Information

10. How can freezing or wrapping a body change entomological evidence?
11. How can insects help recover DNA evidence?
12. How can insects help in toxicological analysis?

Protocol

13. What meteorological data should be collected at a crime scene?
14. What is the first group of insects that should be collected from a crime scene and why?
15. Describe in detail how insects should be collected from the scene of a crime?
16. List everything that should be collected after the body has been removed.
17. How do insects get to the entomologist to be processed?
18. In your own words, write a paragraph that explains the importance of entomology to forensic science.