



High School Science Virtual Learning

Forensic Science

Entomology

April 23, 2020

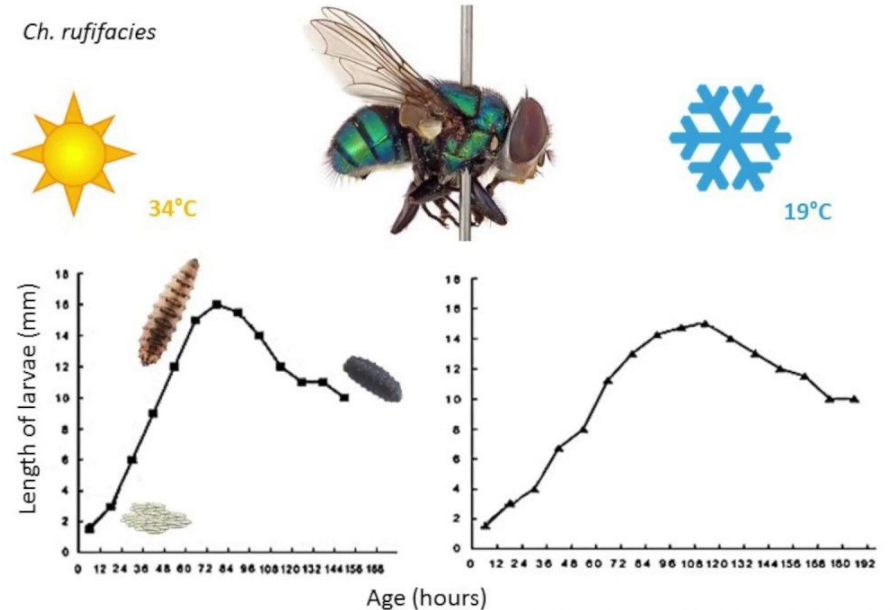


High School Forensic Science Lesson: Thursday, April 23

Objective/Learning Target:

Students will understand how Forensic Entomology is used to determine stages of death.

1. What are the two variables being compared in the graph set to the right?
2. How does larvae growth change depending on the temperature?



1. Larvae length is being compared to time it takes to grow, and growth rate in warm vs cold condition is compared in graph one vs graph 2.
2. Larvae reach maximum length in 72+ hours in warm conditions and in 105+ hours in cold conditions.



Lesson Activity:

Directions:

1. Watch the video one time through to be introduced to the topic of forensic entomology.
2. Watch the video again and answer the practice questions as you go.

Link(s): [Forensic entomology | The crime scene](#)



Practice

You will use the information from the activity on slide 5 to answer the following questions.

Practice Questions

1. How long after death do the blow fly eggs start to hatch? What are the larvae that hatch called?
2. How long does it take for the larvae to molt and become second stage maggot?
3. How long does it take for maggots to molt and become third stage maggots? How long will they feed before moving away from the body to pupate?
4. How long does putting a body in a suitcase delay fly activity?

Answer Key

Once you have completed the practice questions check with the work.

1. 1. 24 hrs 2. 1st stage larvae
2. 24 hrs
3. 1. 24 hrs 2. 3-4 days
4. 1-3 days depending on temperature.



More Practice

You will use the information from the activity on slide 5 to help you further your understanding.



More Practice Questions

Follow the links below to do more practice with insects and crime scene investigation. Always make sure you enable flash player once you have clicked on a link.

1. [Investigating Forensics: Entomology](#)
2. Notes and Practice
 - a. [Notes Slides](#) use page 15-23
 - b. [Guided Notes](#)



Additional Practice

1. [Blow Fly Life Cycle- Entomology Notes](#)
2. Identification Practice
 - a. [Reference Table](#)
 - b. [Worksheet](#)