

Forensic Entomology Study Guide

- 1) If a victim is poisoned or using drugs before death, those chemicals could also be found in the insects feeding on the body.
 - A) True
 - B) False
- 2) How might an entomologist determine if a body has been moved?
 - A) Insects found on the body don't match insects at the crime scene
 - B) Large amount of insects on the body
 - C) Houseflies are present on the body
 - D) Lack of insects on the body
- 3) Which of the following would NOT be a duty of a forensic entomologist?
 - A) Calculate time duration since insect colonization
 - B) Collect insect evidence
 - C) Identify insects at a crime scene
 - D) Perform an autopsy on a body
- 4) How can maggots aid a murder investigation?
 - A) Maggot mass can indicate site of an injury
 - B) They can show if body was wrapped in a rug
 - C) They can show if body was moved
 - D) All of these above
- 5) Does the time between life cycle stages of an insect vary or is it a constant?
 - A) Yes
 - B) Varies
 - C) Constant
 - D) No way to tell
- 6) Because coffin flies are small, their presence on a body might indicate that _____.
 - A) the death happened quickly.
 - B) death occurred 28 days ago.
 - C) the body was once in a coffin
 - D) the body was wrapped in a blanket.
- 7) The presence of houseflies might indicate _____.
 - A) the body was initially wrapped in plastic
 - B) death occurred very recently
 - C) the body is giving off special gases
 - D) abuse, due to their attraction to urine and feces
- 8) Which bugs get collected first at a crime scene?
 - A) Adults
 - B) Eggs
 - C) Pupa
 - D) Larva
- 9) If a body was submerged underwater, how would that affect insect growth.
 - A) The body would resist insects once removed from the water
 - B) It would delay colonization on the body
 - C) All the insects would drown
 - D) It would have no effect.

- 10) CSI's need to collect temperature data from the crime scene because _____.
 - A) they get payed more when it's cold
 - B) insect development is temperature related
 - C) blow flies love extremely hot weather
 - D) it's a good way to remember a crime scene
- 11) Blowflies can be used to determine time of death because they usually arrive within minutes after death and _____.
 - A) they never lie
 - B) follow a predictable succession timeline based on temperature
 - C) only live and die quickly
 - D) All of the above
- 12) Which of the following is one of the first gases given off by a body as decomposition starts?
 - A) Methane
 - B) Sulfur dioxide
 - C) Cadaverine
 - D) Carbon dioxide
- 13) It takes 143 hours for a green bottle fly to go from the pupa stage to the adult stage at 70°F. How would an increased temperature affect that development time?
 - A) It would be longer
 - B) It would have no effect
 - C) It would be shorter
 - D) It would be the same
- 14) Which of the following is NOT information entomology can help provide.
 - A) Indicate motive of a crime
 - B) Help indicate location of a body
 - C) Determine if a body was moved
 - D) Identify geographic region of a crime
- 15) The time between death and discovery of the body is known as the _____.
 - A) prona death time
 - B) funding interval
 - C) post death interval
 - D) postmortem interval
- 16) Which of the following is NOT an insect body segment?
 - A) Patella
 - B) Head
 - C) Abdomen
 - D) Thorax
- 17) Accumulated degree hours are _____.
 - A) always changing, even within a species of insect.
 - B) the number of hours it takes an insect to reach a certain stage of development
 - C) the number of hours a detective works on a murder case
 - D) the number of hours it takes for a body to begin decomposing
- 18) How quickly after death do flesh flies arrive at a body?
 - A) About one week after death
 - B) Often within minutes of death
 - C) About 1 hour after death
 - D) About 1 day after death
- 19) Which of the following would affect insect development on a dead body.
 - A) Body was in an urban area
 - B) Body was frozen
 - C) Body was buried
 - D) All of the above
- 20) The interpretation of insect evidence used in civil and criminal investigations is known as forensic _____.
 - A) anthropology
 - B) entomology
 - C) pharmacology
 - D) toxicology

Test A

- 21) What is insect succession?
A) Progression of different insects living on or in a dead body
B) A method of determining which insect is in charge
C) Life stages of an insect
D) The line in which beetles walk
- 22) Are the life cycle stages of an insect constant or do they vary?
A) Yes B) Varies C) No way to tell D) Constant
- 23) If a person was restrained for an extended period of time before they were killed, which insects would probably be first attracted to the body?
A) Blowflies B) Stink bugs C) Houseflies D) Dung beetles
- 24) During which stage of decomposition does a body start drying out and most flesh is gone.
A) Bloating B) Decay C) Active decay D) Dry decay
- 25) A maggot mass is most likely to be found _____.
A) on a leg B) near the head C) in a wound D) on the torso
- 26) The study of insects is called _____.
A) pharmacology B) parasitology C) anthropology D) entomology
- 27) A green bottle fly requires 1610 ADH (accumulated degree hours) to develop from an egg to the first instar stage at 70°F. How would the ADH be affected if the temperature was increased?
A) ADH would decrease B) ADH would increase C) ADH would stay the same
- 28) Under what conditions would entomology be less helpful in crime investigation?
A) If a body was moved C) If victim was killed over a week ago
B) If a body was wrapped tightly in a sheet D) Both A & B
- 29) The process of an insect proceeding through its stages of life is called _____.
A) phlogistimism B) meteorologism C) sedimentosis D) metamorphosis
- 30) Which portion of the life cycle of an insect is wormlike?
A) Larva B) Adult C) Egg D) Pupa

Put your answers in
Google Classroom to
check for accuracy