Name_____ Date_____
Forensic Science Period_____

Lab# _____ Estimating Time of Death Using Insects

Directions: Using the Entomological Reference Tables, estimate the time of death (in days) if a body was recovered with the following:

1. Some Blow fly eggs & Blow fly larvae (9-11 mm) =
2. Some Blow fly larvae found (17-20 mm) & Flesh fly larvae (38-40 mm) =
3. Some adult Blow flies with folded wings & some Blow fly pupae (31-33 mm)=
4. Some adult Blow flies, Blow fly eggs, & adult house flies =

1. Case #1 Info: Female body found along edge of road. Daytime temps in mid 70°'s.

Insect info:	House fly (size)	Blow Fly (size)	Flesh Fly (size)	Skipper Fly
	29 mm & 20 mm	25 & 29 mm	29 mm	9mm

a. Approx. how many days has this person been dead?
b. Why are different maggots of different ages found in the body?
c. How do you know which insect(s) to base the time of death on?

2. Case #2 Info: Body was found inside a basement. The windows were closed, but the curtains allowed

sun to enter. Air conditioning unit was set to 72°.

Insect info:	House fly (size)	Blow Fly (size)	Flesh Fly (size)	Skipper Fly
	6 mm	--	15 mm	--

a. Approx. how long has this person been dead?
b. How does the fact that the windows were closed affect the population of flies around the body?
c. What affect does the outside temp. have on your time of death estimation?

3. Case #3 Info: Young person's body found & a toxicology report shows signs of cocaine in their body.

Daytime temps have been ranging from 84°- 86°.

Insect info:	House fly (size)	Blow Fly (size)	Flesh Fly (size)	Skipper Fly
	28 mm	35 mm(Pupae 33mm)	45mm	--

a. Approx. how many days has this person been dead?
b. What affect did the drugs have on the insects & thus your time of death estimation? Explain.
c. What affect did outside temperature have on your time of death estimation? Explain