FORENSIC ENTOMOLOGY GUIDED NOTES

Directions. Use your Life Cycle Card Sort and the slides to complete the following.

Blow Fly Life Cycle	
Blow flies are attracted to dead bodies and often arrive within	_ of the death of
an animal. They have a life cycle that consists of egg, larva, pupa stages.	a, and adult
Label the life cycle diagram.	
Fill in the blanks below. 1st – Adult flies lay eggs on the carcass.	
2 nd – Eggs hatch into larva (maggots) in hours.	
3 rd – Larvae continue to grow and molt (shed their exoskeletons) as they pass through the various instar	
stages.	
1 st Instar – mm long after days.	
2 nd Instar – mm long after days.	
3 rd Instar – mm long after days.	
4 th – The larvae (mm) develop into pupa after burrowing in surrounding soil.	
5 th – Adult flies emerge from pupa cases after days.	
What do they do?	
Forensic apply their knowledge of entomology to pr	ovide
information for criminal investigations.	
 A forensic entomologist's job may include: 	
Identification of insects at various stages of their	such as eggs,
larva, pupa, and adults.	
 Collection and preservation of insects as 	
 Determining as estimate for the postmortem interval or (the tolerance) 	time between
death and the discovery of the body) using factors such as insect evidence, wea	ther conditions,
location and condition of the body, etc.	
• in court to explain insect-related evidence for	ound at a crime
scene.	

Video Reflection

I Notice	l Wonder

Stages of Deco	omposition	
	Sui	mmary: What happens during each stage of decomposition?
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	_	

CRIME SOLVING INSECTS

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Insects as Evidence

Forensic entomologists use t give them clues about a crim	their knowledge of insects and their life cycles and to ne.
Most insects used in investig	gations are in two major orders: (flies) and
feed on a	may also provide clues for investigators. Some species may corpse, while another species may prefer to feed on one that has been gators will also find other insect species that on the e.
Other Factors	
Investigators will make note area between the body and temperature inside any (highs/lodd) (highs/lodd) (highs/lodd) (highs/lodd)	also an important tool in analyzing insect evidence from a corpse. of the temperature of the, ground surface, the interface the ground, and the under the body as well as the masses. They will also collect weather data related to daily ows) and for a period of time before the body was nsect evidence was collected. s that could affect a forensic entomologist's estimate of PMI?
what are some other factors	s that could affect a forefisic entoffologist's estimate of Pivif:

