## AG/BI 345 – General Entomology – Exam 1 – November 26, 2013

Nan	ne:				
1.	Use these names to build a taxonomic hierarchy for the oriental flower beetle: <i>Protaetia</i> , Arthropoda, Coleoptera, Animalia, <i>orientalis</i> , Scarabaeidae, Insecta (7 points)				
	Kingdom				
	Phylum				
	Class				
	Order				
Family					
Genus					
	Species epithet				
2.	insects which can be used to differentiate them from other arthropods. (2 points)  a				
	b				
3.	Which letters point to the following structures on an insect's head? (4 points)				
	Compound eye				
	Compound eye a  Ocellus a				
	.l // a				

4. Match the following terms with their definitions. (10 points)

Chrysalis

Instar

Incomplete metamorphosis

Molt

Complete metamorphosis

Larva

Pupa

Cocoon

Naiad

Ovipositor

The immature form of an aquatic insect with incomplete metamorphosis	
A stage of insect larval development between molts	
A butterfly pupa which is not protected by a cocoon	
Insect life cycle with four major stages: egg, larva, pupa, adult	
An immature insect	
A silk covering which protects pupae of some insects	
An egg laying tube found on the abdomen of many female insects	
The life stage in which a larva transitions into an adult	
Insect life cycle with three major stages: egg, larva, adult	
Process of shedding exoskeleton to allow growth	

5.	Sometimes you may see white cockroaches. How do you explain this? (1 point)
6.	True or False: All adult insects have wings. (1 point)
7.	True or False: Insects can fly only after they have become adults? (1 point)
8.	True or False: Insects can fly only after becoming an adult. (1 point)
9.	True or False: Male bees, wasps, and ants do not sting. (1 point)
10. gained	More advanced orders of insects undergo complete metamorphosis. What advantage is from using this type of life style? (2 points)

11	. <i>Musca sorbens</i> is the scientific name for the dog dung fly. (2 points)
a)	What genus does the dog dung fly belong to?
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b) What is species does the dog dung fly belong to?

- 12. Which of the following demonstrates incorrect formatting of a scientific name? (4 points)
- a) Musca sorbens (correct / incorrect)
- b) Musca sorbens (correct / incorrect)
- c) <u>Musca sorbens</u> (correct / incorrect)
- d) Musca Sorbens (correct / incorrect)
- 13. True or False: Many species of insects collected in the Mariana Islands have been found nowhere else in the world. (1 point)
- 14. You are snorkeling in the ocean off Ypao Beach. Your che'lu calls for you to come over to look at a big bug hiding under a coral head. How do you respond? (1 point)
- 15. A lot of insects have evolved coloration which camouflages them in their normal habitat. Some insects enhance this protection by behaving in particular ways. Explain: (1 point)
- 16. True or False: Coleoptera is the insect order which contains the largest number of species. (1 point)

17. Classify each specimen in the box to order. Hint: Ye correctly identify some of these specimens. (1 point will correctly classified with a correctly spelled scientific nato.)	l be awarded for each specimen
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3.	
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6	-
7	
8.	<u>-</u>
9	
10	-