

## Biology II/Unit 10 Study Guide

Bio2u10sg Entomology

### Study Objectives

1. Relate the major characteristics of insects to insects' biological success.
2. List both the harmful and beneficial effects of insects on human society.
3. Describe defensive adaptations in insects.
4. Identify three ways that insects communicate, and give an example of each.
5. Describe the social organization of honeybees.
6. Explain how honeybees communicate information about the location of food.

### Vocabulary

entomology labrum labium tympanum ovipositor metamorphosis pheromone larva  
incomplete metamorphosis nymph complete metamorphosis pupa social insect innate behavior  
worker bee queen bee drone royal jelly altruistic behavior kin selection swarm forager  
scout waggle dance round dance nectar pollen mimicry

### Assignments

- ❖ Gypsy Moth Project 10pts ([www.wise.berkeley.edu/pages/newStudent.php](http://www.wise.berkeley.edu/pages/newStudent.php))
- ❖ Read pg 741-756
- ❖ Notebook 10pts
  - Study objectives Notes
  - VG "Tales from the Hive" and the "Chemistry of Bees" using the link below:  
(<http://www.chemsoc.org/ExemplarChem/entries/2001/loveridge/index.html>)
  - Crossword
  - Cmap
- ❖ Quiz1 10pts; Quiz2 10pts
- ❖ Test 10pts

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