

# Biology Study Guide

## Chapter 16 – The Arthropods

1. Study any Quizlets for Chapter 16.
2. Be able to match Arachnida, Chilopoda, Crustacea, Diplopoda, and Insecta with their general characteristics.
3. Be able to match Coleoptera, Diptera, Hymenoptera, Lepidoptera, Odonata, and Orthoptera with their general characteristics.
4. Be able to match crayfish appendages with their description.
5. Be able to match the insect controls (biological, environmental, insecticides, quarantine) with a brief description.
6. What main characteristics separates insects from other arthropods?
7. Why/how does an arthropod molt?
8. Be able to match the following organisms with their correct phylum, class, and order
  - bee
  - black widow spider
  - centipede
  - grasshopper
  - ladybug
  - millipede
  - scorpion
  - wasp
9. Know/Apply the following terms:
  - antenna
  - arthro-
  - book lungs
  - carapace
  - chitin
  - complete metamorphosis
  - compound eyes
  - exoskeleton
  - gills
  - green glands
  - incomplete metamorphosis
  - Malpighian tubules
  - pedipalps
  - pheromones
  - rostrum
  - simple eyes
  - statocyst
  - trachea
  - tympanum

