

Higher Invertebrates Reading Guide

Name:

27-3

1. What are the characteristics of annelids?
2. How does an annelid feed? What do the specialized parts of the digestive system?
3. How do annelids circulate nutrients throughout the body?
4. How do annelids breathe?
5. What special structures do annelids have for excretion?
6. Describe the nervous system of annelids.
7. How can an annelid move?
8. What are parapodia?
9. What is the function of the clitellum?
10. Describe the 3 classes of annelids with examples.
11. What is the ecological importance of annelids?

27-4

1. What are the characteristics of mollusks?
2. Why are mollusks considered to be related to annelids?
3. Describe the typical body plan of a mollusk.
4. What are the methods of feeding of mollusks and what special structures are used?
5. How do mollusks respire?
6. What is an open circulatory system?
7. What kinds of mollusks would use a closed circulatory system?
8. What structure is used to eliminate cellular waste?
9. Describe the different nervous system of different mollusks.
10. How do mollusks move?
11. Describe three ways mollusks may mate.
12. Describe the 3 classes of mollusks with examples.
13. What is the ecological importance of mollusks?

28-1

1. What are the defining characteristics of arthropods?
2. Describe the typical body plan.
3. Describe how grasshoppers and spiders breathe.
4. What kind of circulatory system do arthropods have?
5. What are malpighian tubes?
6. Describe the nervous system of arthropods.
7. How do arthropods move?
8. How do arthropods reproduce?
9. What is molting?

28-2

1. How are arthropods classified?
2. Describe crustaceans.
3. Describe the body parts of typical crustaceans. What does each part do?
4. Describe arachnids.
5. Describe the chelicerates.
6. Describe class chilopoda.
7. Describe class diploda.

28-3

1. Explain the process of metamorphosis.
2. What are pheromones?

28-4

1. What are the defining characteristics of echinoderms?
2. What are the functions of the water vascular system?
3. What is special about how a sea star feeds?
4. How do echinoderms excrete wastes?
5. How do echinoderms move?
6. What type of reproduction do echinoderms perform?
7. How is the larva different from the adult echinoderm?
8. Describe the classes of echinoderms.
9. What is the ecological importance of echinoderms?