|  |  |
| --- | --- |
| **Biology 11**  **Complex Invertebrate Review** | **Name: Date:**  **Block:** |

The following are sample short answer questions that could appear on the unit test.

You should be able to answer the questions and be able to compare different phyla. For example: compare how annelids and mollusks reproduce.

Questions are not limited to the list below.

**Annelida**

1. Describe the process of feeding in annelids.
2. How do terrestrial and aquatic annelids meet the needs for respiration?
3. Describe the internal transport system of annelids.
4. How do annelids excrete material?
5. Explain the process of response in annelids.
6. Explain how annelids move.
7. Explain the process of reproduction in annelids.
8. How do annelids fit into the world?

**Mollusca**

1. Describe the characteristics of mollusks.
2. What is the foot used for?
3. Describe the process of feeding.
4. How do aquatic and terrestrial species meet the needs for respiration?
5. How does the internal transport system work?
6. Describe the process of excretion
7. How are these organisms able to respond to different factors in their environment?
8. How does reproduction occur?
9. Compare the body systems of fast and slow moving mollusks.
10. How do mollusks fit into the world?

**Arthropods**

1. Describe the characteristics of arthropods
2. Describe the body plan of an arthropod
3. Describe how excretion occurs
4. How does reproduction occur?
5. Explain the process of growth and development in arthropods
6. Explain the difference between incomplete and complete metamorphosis using an example.
7. Explain the internal transport of arthropods.
8. Explain how arachnids eat and digest their food.
9. What do insects use their societies for and what types of roles do each individual take on?
10. How do arthropods fit into the world?

**Echinodermata**

1. Explain the characteristics of echinoderms
2. Explain how the water vascular system works. What functions does this support?
3. How does feeding occur in starfish?
4. How do echinoderms respond to different factors in their environment?
5. How does reproduction occur?
6. Explain how echinoderms use their tube feet to move with the support of the water vascular system.
7. How do echinoderms fit into the world?