**Kingdom Animalia**

Name:

Date:

**Read p. 657 – 663 to help you answer the following animal introductory questions.**

1. What is an animal? What characteristics define animals?
2. What is the difference between an invertebrate and a vertebrate?
3. Explain seven essential functions animals carry out in order to survive.

1. As you look at the evolutionary trends in animals, what features do complex animals tend to have?

1. What is the difference between a protostome and a deuterostome?
2. During early development, embryos differentiate into 3 layers. Where is each layer located and what future structures will each layer produce?

Endoderm:

Mesoderm:

Ectoderm:

1. What is typically a more advanced form of body symmetry, radial or bilateral? Make a simple sketch to show the difference.
2. Bilateral symmetry leads to cephalization. What is cephalization and why is it an evolutionary advancement?
3. Why is it helpful to have a body cavity?