Biology 0871 Chapter 27 Flatworms Practice Questions

**Flatworms**

1. What is a **flatworm**? What phylum do they belong to? Do they exhibit symmetry? P683
2. Do **flatworms** have a:

Nervous system? If not, how do they respond to their environment?

Digestive system? If not, how do they obtain food/digest food?

Excretory system? If not, how do they get rid of wastes?

Circulatory system? If not, how do gases and nutrients travel from cell to cell?

Respiratory system? If not, how do cnidarians obtain oxygen and get rid of

 carbon dioxide?

Reproductive system? If not, how does a cnidarian reproduce?

Skeletal System?

1. Flatworms are known as **acoelomates,** what does this mean? Are sponges and cnidarians also acoelomates?
2. Do flatworms exhibit **cephalization?** Explain. P683
3. Do flatworms have a mouth and digestive system? Explain. How does this compare to sponges and cnidarians?
4. How do flatworms feed? Where does digestion occur? Intracellular and/or extracellular digestion? Explain.
5. How does a flatworms nervous system compare to that of a sponge? Cnidarians? Explain
6. What type of skeleton does a flatworm have?
7. What are **flame cells?** Explain

10. How does a flatworm reproduce? P686

10. Some flatworms are free living while other are parasitic. Explain and give examples of each type of living.