Biology 0871 Chapter 26 : Cnidarians **Practice Questions**

**Cnidarians**

1. What is a **cnidarian**? What phylum do they belong to? Do they exhibit symmetry? P669
2. Do **cnidarians** 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. What is a **cnidocyte** and what is the function of this cell?
2. Cnidarians typically have a life cycle that includes two different looking stages. Explain. P670
3. Cnidarians have a **gastrovascular cavity**. Explain.
4. How do cnidarians feed? Where does digestion occur? Cnidarians do both intracellular and extracellular digestion. Explain.
5. Cnidarians have a **nerve net.** Explain
6. Cnidarians have a **hydrostatic skeleton.** What is this type of skeleton?
7. How do does the polyp stage reproduce? How does the medusa stage reproduce? Is reproduction in cnidarians **internal** or **external fertilization**? P672

10. Describe one mutally beneficial relationship that may exist between a cnidarian

 and an aquatic organism. P675