**Cnidarians** (p. 622 – 628)

**I. Two Body Forms**

 **1. Jellyfish, corals, hydras, and sea anemones belong to the phylum \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.**

 **2. Differentiate between the following cnidarian body forms.**

 Medusa : \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

 Polyp : \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

 **3. Which body form do cnidarians exhibit?** *(Circle all that apply)*

 Medusa Polyp Alternate between phases

 **4. Cnidarian body cells are arranged in tissues.**

 Circle One : True False

 **5. Define the term cnidocytes.**

 Cnidocytes –

 **6. A poison-filled, stinging structure within a cnidocyte that contains a tightly coiled dart is**

 **called a \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.**

 **7. Where does cnidarian digestion initially occur?**

 \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**II. Hydrozoans**

 **1. Most species of hydrozoans exhibit a medusa or a polyp stage.**

 Circle One : True False

 **2. Why is freshwater *Hydra* unique structurally?**

 \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

 **3. What attaches *Hydra* to rocks or water plants? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_**

 **4. What motion does *Hydra* perform while moving?**

 \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

 **5. Many marine hydrozoans form colonies.**

 Circle One : True False

 **6. Describe how *Physalia* (Portuguese man-of-war) is a specialized marine hydrozoan?**

 \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

 **7. Most hydrozoan species are hermaphroditic.**

 Circle One : True False

 **8. Which type of reproduction occurs with each form of hydrozoan?** *(Circle one for each.)*

 Medusa : Asexual Sexual Polyp : Asexual Sexual

 **9. Define the term planulae.**

 Planulae –

**III. Scyphozoans**

 **1. What are scyphozoans?**

 \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

 **2. What are scyphozoans usually referred to as? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

 **3. What makes the scyphozoan *Aurelia* different than the hydrozoan *Obelia*?**

 \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

 **4. What are two other jellyfish relatives?**

 1. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ - possess a cube-shaped medusa

 2. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ - have only a medusa stage and no cnidocytes

**IV. Anthozoans**

 **1. The largest class of cnidarians is anthozoans.**

 Circle One : True False

 **2. What are anthozoans?**

 \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

 **3. List four examples of anthozoans.**

 1. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ 2. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ 3. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ 4. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

 **4. What produces the bright colors of anthozoans?**

 \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

 **5. What fish has a well-documented symbiotic relationship with sea anemones?**

 \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_

 **6. Circle the letter of each sentence that is true about corals.**

 a. Corals secrete an underlying skeleton of calcium carbonate.

 b. Corals are solitary polyps that live at all depths of the ocean.

 c. Coral skeletons provide a foundation for new coral polyps.

 d. Most corals are colonial.

 **7. Where are coral reefs typically located? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**