Your Name and Lab Section:

Specimen 1: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**Part 1: External Anatomy:** Observe the external anatomy of your specimen. Take note of its appendages, outer coverings, and visible reproductive structures.

**1..** How many appendages does your organism have (different fins are appendages)?

**2.** Are the appendages the same length? If not, specify which are different.

**3.** Do the appendages have any physical characteristics? If so state them and explain how they help the animal adapt to its normal habitat.

**4.** Describe the outer covering of your animal. (i.e. hairy, scales, skin, etc…)

**5.** Can you tell if your animal male or female? How do you know?

**Part 2: Circulatory and Respiratory System:** Follow the directions outlined in the instructions carefully to make these systems visible. Follow the flow of blood from the animal’s heart to the respiratory organs of gas exchange (gills/lungs).

**1.** What is your animal’s organ of respiration?

**2.** How many chambers are in its heart, which chambers are these?

**Part 3: Digestive System:** Trace the path that food would follow through (and out of) your organism.

**1.** Locate the mouth and esophagus.

**2.** Locate the stomach. Is there anything in the stomach? If so, what do you think it is?

**3.** Locate the intestine. Name the structure’s present in this organism’s intestine track.

**4.** Anus or cloaca? What is the difference between the two?

**Part 4: Urogenital System:** Observe both the male and female of your organism or if only have one then the sex that you have.

**Male:**

**1.** Locate the testes. Are they inside or outside of your animal? Why might this be?

**2.** Does your organism have a penis?

**Female:**

**1.** Locate the ovaries. Do the ovaries connect to a uterus? If not, why might this be?

**2.** Does your organism have oviducts or fallopian tubes?

**3.** Does this organism give birth to live young or lay eggs? How do you know?

Specimen 2: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

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**2.** Does your organism have a penis?

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Specimen 4: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

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