Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Hour: \_\_\_\_\_\_\_\_\_ Date: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Animal Anatomy & Physiology Lab Sheet

**Circulation Lab:**

1. Draw what you see when the tail membrane is viewed under low power.
2. Does the blood in all of the vessels travel at the same speed, or at different speeds?
3. Does all the blood flow in the same direction or in different directions?
4. How could you tell the difference between the arteries, veins, and capillaries?
5. Compare and contrast the circulation in the fish and circulation in a human.

**Endocrine Lab:**

1. What five blood components should be **kept** in the blood as they pass through the kidney?
2. What type of bead represents each of these components?
3. What three substances would you expect to find in urine that is excreted by the kidneys?
4. The substances that pass through the screen and into the nephron form a fluid called filtrate. What five substances form the filtrate?
5. Does the process of filtration alone completely separate the wastes from the essential materials? Support your answer with observations of what is present in the nephron cup.

**Skeletal/Muscular System:**

1. Do you think this wing is from the left side or right side of the chicken’s body? Explain your answer.
2. What type of tissue actually moves the chicken wing?
3. Why are tendons important to a muscle’s ability to make the body move?
4. What tissue of the chicken wing is commonly referred to as the “meat”?
5. Describe any interesting observations you made about the chicken wing.