

# Cat Dissection

Complete the Lab Write Ups by filling in blanks within the procedure.

**Title:** The Urinary System Lab

**Purpose:** To dissect and observe the structures of the cat urinary system

**Materials:** shirt, gloves, paper towels, scalpel, forceps, scissors, probes, cat, colored pencils, rubber bands, drawing paper,  
lab manuals, handouts

## Dissection of the Cat Urinary System

**Procedure:**

1. Use the illustration manual to aid in identifying the structures of the cat urinary system
2. Push the intestines of the digestive system to one side until you locate the \_\_\_\_\_.
3. Carefully remove the thin and transparent connective tissue called the \_\_\_\_\_ that covers the kidney, renal blood vessels, and ureter to gain a clearer view of the kidney. You may also need to remove adipose tissue surround these structures as well.
4. Once you have removed connective tissue and isolated the kidney, renal blood vessels and ureter, you will then remove the \_\_\_\_\_, which is a membrane that surrounds the kidney.
5. Use scissors, carefully, and cut the renal capsule away from the kidney at the hilum. **MAKE SURE YOU DO NOT CUT THE RENAL BLOOD VESSELS AND URETER.**
6. Identify and observe the following external structures:
  - **Kidney\***
  - **Hilum**
  - **renal artery\***
  - **renal vein\***
  - **ureter\***
  - **urinary bladder\***
  - **urethra\***
7. Dissect the other side of the urinary system.
8. Choose a side of the urinary system and remove one of the kidneys.
9. To begin the removal of the kidney, identify the renal vein and cut the renal vein as close as possible to the \_\_\_\_\_.
10. Next cut the \_\_\_\_\_ as close as possible to the descending aorta.
11. Cut 2 inches worth of the \_\_\_\_\_, and this final cut will allow you to remove the kidney from the body.
12. To cut the free kidney in half, hold the kidney with your forceps and use the \_\_\_\_\_ to cut the kidney into 2 equal halves.
13. Identify and observe the following internal structures:
  - **Renal cortex\***
  - **Renal medulla\***
  - **Renal pelvis\***
  - **Renal artery**
  - **Renal vein**
  - **Ureter**