Gross Anatomy of the Human Urinary System

Utilizing the torso models and/or class notes:
Locate the urinary system organs and structures.

Next state the primary function of the following:
- kidneys
- ureters
- urinary bladder
- internal and external urethral sphincter
- urethra
Gross Internal Anatomy of the Kidney
Utilizing a kidney model:
Locate the major internal regions of the kidney.

- Cortex, medulla, pyramids, columns, calyces, pelvis

State a principal functions of the following:
- nephron
- renal pyramids
- calyx
- renal pelvis
The Nephron – Functional Microscopic Anatomy of the Kidney

Utilizing
- the model of a bisected kidney that demonstrates the nephron

Locate and state an important function of the following structures of the nephron.
- afferent arteriole
- efferent arteriole
- glomerulus
- glomerular (Bowman’s) capsule
- proximal convoluted tubule (PCT)
- loop of Henle
- distal convoluted tubule (DCT)
- collecting duct
- peritubular capillary

FETAL PIG LAB FOUR: Urinary System