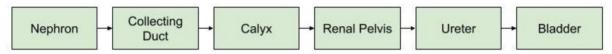
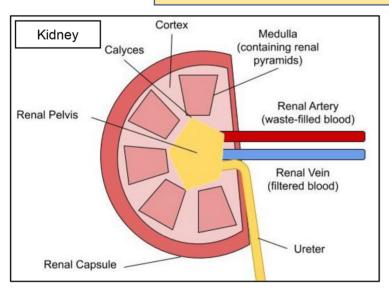
Anatomy of Excretory System

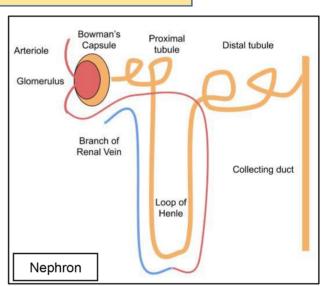
The kidney is responsible for removing waste from the blood, to be excreted as urine. Excretory function is also critical for maintaining fluid and electrolyte balance.

Path of Urine



The nephron is the functional unit of the kidney. Each kidney contains around a million nephrons which filter the blood





Structure	Function
Cortex	Outer region of kidney, containing nephrons
Medulla	Contains collecting ducts to transport urine from the cortex to the calyces
Calyx	Channel fluid from medulla to the renal pelvis
Nephron	Functional filtration unit of the kidney
Glomerulus	Cluster of capillaries containing waste-filled blood
Bowman's Capsule	Surrounds the glomerulus and allows filtrate into the nephron
Proximal tubule	Reabsorbs Na+, H2O, HCO3-, and glucose
Look of Henle	Absorbs of water and concentrates remaining tubular fluid
Distal Tubule	Reabsorbs remaining Na+, H2O, and HCO3 Secretes K+
Collecting duct	Secretes K+, H+, and HCO ₃ -