

**Complete and correct:** Cut out the following definitions and words. Rearrange them with your partner until all the definitions and words match. Be sure to use the story and diagrams to help you match the vocabulary. After you are done, leave your words with their correct definitions on your desk. *Label them if it is easier for you to keep track of.*

Kidney	Main organ of excretion, water balance and Na <sup>+</sup> ion regulation; also involved in secretion of the hormones renin and erythropoietin
Renal pyramid	Region of the kidney which contains nephrons, the urine-forming structures of the kidney
Renal cortex	Outer region of the kidney that contains most of nephrons, excluding the collecting ducts
Renal medulla	Central region of the kidney that contains the collecting ducts
Renal pelvis	Receives urine from the collecting ducts; central part of the kidney
Renal artery	Carries arterial blood to the kidney
Renal vein	Carries venous blood away from the kidney
ureter	Carries urine to the bladder from each kidney
Urinary bladder	Stores urine until released in urination
urethra	Carries urine from the bladder, out of the body
Nephron	The unit of filtration in the kidney; composed of a capsule, a series of tubes, and a capillary network
Afferent arteriole	Takes blood from the renal artery to the glomerulus
Efferent arteriole	Carries blood away from the glomerulus into the peritubular capillary network
Bowman's capsule	A cup-like structure that is the initial portion of the nephron; wastes enter the inside of this capsule
glomerulus	A knot of capillaries inside the glomerular capsule; wastes in the blood are squeezed out in this part
Proximal convoluted tube	Reabsorption happens here; it is the tube close to Bowman's capsule
Loop of Henle	A narrow tube that forms the shape of a U
Distal convoluted tubule	A tube far from Bowman's capsule; molecules move from the blood to the tube at this point (tubular secretion)
Collecting duct	Carry urine to the renal pelvis; urine accumulates here from the tubes of the nephron
Peritubular capillary network	Capillary system that surrounds the nephron and takes blood back to the renal vein