PART I: MASTERING THE BASICS

MATCHING

The Urinary System

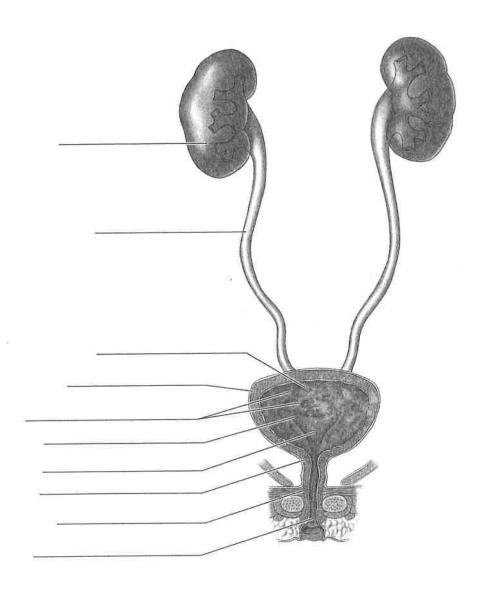
Directions. Match the following terms to the most appropriate definition by writing the correct letter in the space provided. Some words may be used more than once.

A.	ureter	`s		E.		bladder	H.	urethra
В.	kidne	ys		F.		renal pyramids	I.	renal columns
C.	hilus			G.		fibrous capsule	J.	calyces
D.	renal pelvis							
		16		tubes that	С	onduct urine from the kidneys t	o the	e bladder
		2.		tube that c	co	nducts urine from the bladder t	o the	e exterior for elimination
		3.	a reservoir that receives and stores urine					
	4.			a Foley catheter is inserted into this organ for drainage				
		5 .		bean-shape	e	d organs that make urine		
		6.	·	pathogens can ascend from the bladder through these tubes to the kidneys thereby causing a kidney infection				
		7.		this structu	u)	re is involved in urinary retentic	n	
	8.			structure that contains the trigone, a triangle formed by the two points of entrance of the ureters and the exit point of the urethra				
	9.			the external sphincter surrounds the upper region of this structure				
		10.		the interna	al	sphincter is located at the exit	of th	is structure
		11.		the prostat	te	gland in the male encircles this	strı	ıcture
	12.			the indentation of the bean-shaped kidney; it is the point where blood vessels, nerves, and the ureter enter or exit the kidney				
		13.		the wall of	t	his structure is arranged in ruga	e to	allow for expansion
		14.		the basin w	wi	thin the kidney that collects the	urii	ne made by the kidney
		15.				outer region of the kidney, called rm these structures	l the	renal cortex, extends
		16.				nner region of the kidney, called e-shaped regions	l the	renal medulla, forms these
	1.2	17.				es of the renal pelvis that receivend empty it into the renal pelvis	e the	e urine from the renal
		18.		a tough ou	ıte	er lining that encases the kidney	,	

LABELING

Urinary System

Directions. Referring to the illustration, indicate the parts of the urinary system by writing the correct terms on the lines provided.



ureteral opening

internal sphincter

bladder

urethra

trigone

ureter

detrusor muscle

rugae

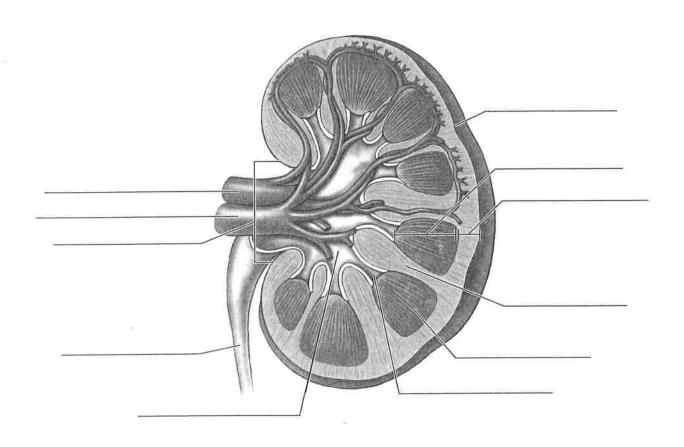
kidney

external sphincter

LABELING

Kidney

Directions. Referring to the illustration, indicate the parts of the kidney by writing the correct terms on the lines provided. Some terms may be used more than once.



renal vein

medulla

calyx

renal pelvis

cortex

ureter

renal pyramid

renal artery

hilus

fibrous capsule

renal column

Student Name		
Student Name		

MATCHING

Nephron Unit

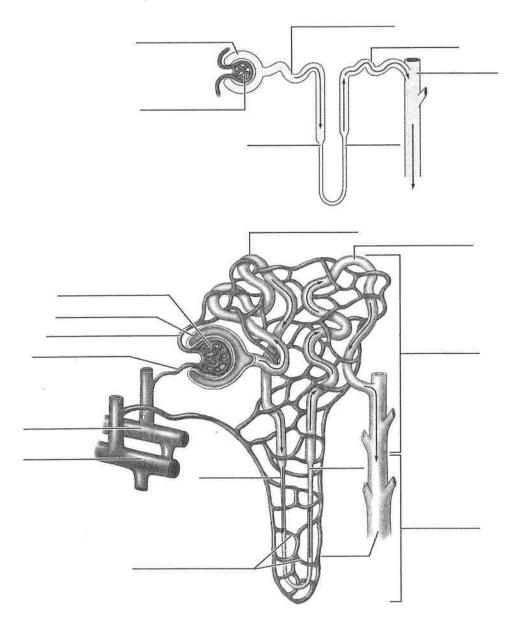
Directions. Match the following terms to the most appropriate definition by writing the correct letter in the space provided. Some terms may be used more than once.

let	ter ın	tne sp	ace proviae	a. Some teri	ms may be i	asea more mar	i once.		
A.	peritubular capillaries loop of Henle			C. proximal convoluted tubule			. E.	distal convoluted tubule	
B.				D.	collecting duct		F.	glomerulus (glomeruli)	
		1.		the tuft of o	capillaries ac	cross which wat	er and s	olute are filtered	
		2.)	the distal c	convoluted to	ubule empties u	rine into	this structure	
		3.		the structure that is most concerned with the concentration of urine					
	4.			vascular structure that surrounds the tubules; involved in reabsorption					
		5.	·	the efferent arteriole extends and becomes this structure					
· -		6.		most reabsorption occurs across the walls of this tubular structure					
		7.		the site at which ADH is most active					
		8.	·	the afferent and efferent arterioles bracket (form bookends to) this structure					
		9.		the final adjustment of urine occurs at this site					
	Ŷ	10.	8	the proximal convoluted tubule extends as this structure					
		11.		site at which aldosterone is most active					
y:		12.	8 	these capillaries sit within the C-shaped Bowman's capsule					
		13.		this structure empties blood into the venules and eventually into the renal vein					
		14.	0	the process of secretion causes solute to move from this structure into the tubules					
		15.		composed	of an ascen	ding and a desce	ending li	mb	
1		16.	-	the process of reabsorption causes water and solute to move from the tubule into this structure					

LABELING

Nephron Unit

Directions. Referring to the illustration, indicate the parts of the nephron unit by writing the correct terms on the lines provided. Some terms may be used more than once.



loop of Henle
collecting duct
glomerulus
afferent arteriole
from the renal artery
calyx

cortex
Bowman's capsule
distal convoluted tubule
ascending limb (of Henle)
peritubular capillaries

medulla
efferent arteriole
descending limb (of Henle)
proximal convoluted tubule
to the renal vein