Chapter 21: The Urinary System Worksheet

Name:

What structures make up the urinary system?

What are the functions of the kidneys?

Which organ in the urinary system forms urine?

Where in the body are the kidneys located?

What are the regions of the kidney?

Please label the renal artery, the renal vein, the ureter, the renal capsule, the renal cortex, the renal medulla, the renal papilla, the calyx, and the renal pelvis.

What is the outer region of the kidney called?

What is the inner region?

What is the renal pelvis?
What percentage of body blood is flowing through the kidney at any given time?

To where do the afferent arteries go?

Please label the glomerulus, the afferent arteriole, the efferent arteriole, the proximal convoluted tubule, the descending limb of the loop of Henle, the ascending limb of the loop of Henle, the distal convoluted tubule, and the collecting duct.

Draw a line across where the adrenal cortex and the adrenal medulla might be.

What is the functional unit of the kidney?

What occurs in the renal corpuscle?

What makes up the renal corpuscle?

In what order do liquids flow through the nephron?

What are the three functions of the nephron?

How much water returns to the body through tubular reabsorption?
What is urea?

What causes filtration of blood?

What are two opposing pressures?

What does the hormone (ANP) atrial natriuretic peptide effect?

What percentage of glucose and amino acids are reabsorbed?

Why does the reabsorption of solutes lead to the reabsorption of water???

What does tubular secretion rid the body of?

What is the function of angiotensin II?

What is the function of (ADH) antidiuretic hormone?

Should there be glucose in the urine?

How would you describe the bladder?

Where is the urethra?

Please label the R and L renal arteries and veins, the kidneys, ureters, bladder, and urethra.