

## Urinary System

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1. Urinary System Essential Functions (Page 356 - 357 ff)

A. Organs (Page 356 - 358)

- i. Kidneys
- ii. Ureters
- iii. Urinary Bladder
- iv. Urethra

2. Kidney (Page 358)

A. Location and Protection

- i. Ribs
- ii. Adipose Connective Tissue
- iii. Fascia

B. Internal Structure (Page 358)

- i. Renal Cortex
- ii. Renal Medulla

C. Functional Unit (Pages 456 - 457) (Pages 462 - 465)

i. Nephron Structure

a. Renal Corpuscle

- Filtration (Pages 457 - 458)

b. Proximal Convolute Tubule

- Tubular Reabsorption (Page 458)

c. Distal Convolute Tubule (Page 458)

- Regulation

d. Nephron Loop

e. Collecting Duct

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ii. Blood Supply (Page 456 - 457)

a. Renal Artery and Vein

b. Afferent and efferent Arteriole

iii. Nephron (and, therefore, Kidney) function (Page 358 - 359)

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a. Sorting

b. Water Retention

c. Blood Pressure maintenance

d. Regulation of Erythropoiesis

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3. Ureters (Page 366)

4. Urinary Bladder (Page 366 - 367)

5. Urethra (Page 366 - 367)

A. Internal Urethral Sphincter

B. External Urethral Sphincter

6. Inflammatory Disorders (371)

A. Kidney Stones

B. Glomerulonephritis

C. Cystitis

D. Urethritis

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