**Urinary System**

**Chapter 23**

1. **Functions of the Kidneys**
2. **Excretion**
3. **Regulation of blood volume and pressure**
4. **Regulation of electrolytes and pH of the body fluids**
5. **Anatomy of the Kidneys**
6. **Gross anatomy**
   1. **Fibrous Capsule**

* 1. **Hilum**
  2. **Blood Vessels**
  3. **Cortex**
  4. **Medulla**
  5. **Renal Pelvis**
  6. **Ureter**

1. **The Nephron**
2. **Renal corpuscle**

**Glomerulus**

**Glomerular Capsule**

1. **Renal tubules**
   1. **Proximal Convoluted Tubule**
   2. **Nephron Loop**
   3. **Distal Convoluted Tubule**
   4. **Collecting Duct**
2. **Urine Formation**
3. **Glomerular Filtration**
4. **Tubular Reabsorption**
5. **Tubular Secretion**
6. **Water conservation**
7. **Urine Storage and Elimination**
   1. **Ureters**
   2. **Urinary Bladder**
   3. **Urethra**
   4. **Voiding Urine**