

# THE URINARY SYSTEM

## Anatomy and Filtration Overview

[ Anatomical Illustration Placement ]

- **KIDNEYS** Paired organs that filter waste from the blood and maintain electrolyte balance.
- **URETERS** Thin muscular tubes that transport urine from the kidneys to the bladder.
- **URINARY BLADDER** A hollow muscular organ that stores urine until excretion.
- **URETHRA** The canal through which urine is discharged from the body.

## Primary Functions

- Waste Excretion (Urea & Uric Acid)
- Blood Pressure Regulation
- pH Balance Maintenance
- Red Blood Cell Regulation
- Water Homeostasis