

Anatomy Class 4

Immune and Urinary Systems

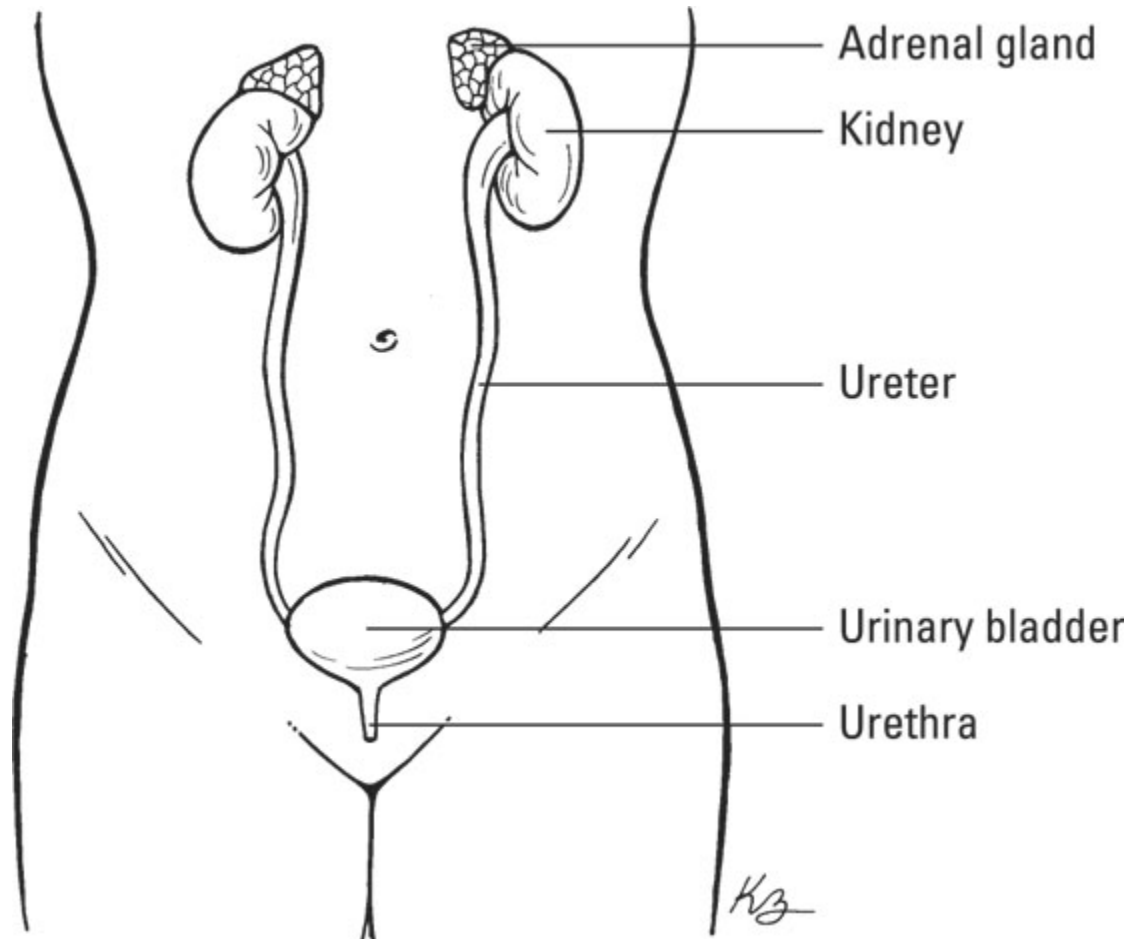
Home Activities

Match the part of the immune system with the proper definition. Write the number of the correct term on the blank in front of the correct definition.

Terms	Definitions
1. B Cells	10 ___ Carry lymph fluid and immune cells throughout the body.
2. T Cells	3 ___ “Big eater” cells that engulf and digest pathogens.
3. Macrophages	1 ___ Produce antibodies that target specific pathogens.
4. Neutrophils	13 ___ Tight protective barrier that covers the body’s surface.
5. Lymph Nodes	15 ___ Organs that make and mature immune cells (bone marrow, thymus).
6. Spleen	5 ___ Bean-shaped filters that trap pathogens in lymph fluid.
7. Thymus	11 ___ The body’s first line of defense against infection.
8. Bone Marrow	6 ___ The largest lymphoid organ that filters blood and removes old cells.
9. Antibodies	2 ___ Destroy infected body cells or coordinate immune responses.
10. Lymphatic Vessels	4 ___ Specialized white blood cells that arrive quickly to fight infection.
11. Innate Immune System	9 ___ Proteins that attach to pathogens to mark them for destruction.
12. Adaptive Immune System	12 ___ Network that “learns” & remembers pathogens for future protection.
13. Skin	14 ___ Lines body passages and produces mucus to trap microbes.
14. Mucous Membranes	8 ___ The tissue in bones that produces all blood and immune cells.
15. Primary Lymphoid Organs	7 ___ Formation and maturation of immune cells (“training centers”).

Label the parts of the urinary system.

Use these terms: Kidney, Bladder, Adrenal glands, Urethra, Ureter



Explore this interactive anatomy site and look at systems we have already discussed. There is a tab at the top, 3D, this gives students an excellent view of and understanding of how things are situated in the body.

<https://www.innerbody.com/htm/body.html>

Coming up

- Zoom on Monday
- Reproductive System and Anatomy Unit Review

Pre-Assessment Quiz: Immune and Urinary Systems

1. Which best describes the **main function of the immune system**?
 - A. To pump blood through the body
 - B. To remove waste and extra water
 - C. To protect the body from harmful invaders like bacteria and viruses**
 - D. To store nutrients for future use
2. The **innate immune system** provides:
 - A. A fast, general defense against pathogens**
 - B. A slow, highly specific defense
 - C. Long-term memory of diseases
 - D. No physical barriers
3. Which structure is part of the **body's first line of defense**?
 - A. Spleen
 - B. Skin**
 - C. Bone marrow
 - D. Thymus
4. What is the main role of **macrophages**?
 - A. Produce antibodies
 - B. Engulf and digest harmful microbes**
 - C. Make hormones
 - D. Transport oxygen
5. **B cells** are responsible for:
 - A. Destroying infected cells directly
 - B. Filtering lymph fluid
 - C. Producing antibodies that target specific pathogens**
 - D. Digesting bacteria in the stomach
6. Which organ is a **primary lymphoid organ**?
 - A. Spleen
 - B. Thymus**
 - C. Tonsils
 - D. Lymph nodes

7. About **70% of immune cells** are found in which body system?
 - A. Circulatory system
 - B. Gastrointestinal (GI) tract**
 - C. Respiratory system
 - D. Nervous system

8. The **main function of the urinary system** is to:
 - A. Remove waste and maintain fluid and chemical balance**
 - B. Deliver oxygen to the body
 - C. Produce digestive enzymes
 - D. Protect against pathogens

9. What is the role of the **kidneys**?
 - A. Store urine until it is released
 - B. Filter blood to remove waste and regulate electrolytes**
 - C. Carry urine to the bladder
 - D. Control muscle contractions

10. Which structure **stores urine** before it leaves the body?
 - A. Ureter
 - B. Kidney
 - C. Bladder**
 - D. Urethra