

Urinary System – Questions

Multiple Choice Questions:

1. Which organ is primarily responsible for filtering blood to form urine?
 - A) Liver
 - B) Kidneys
 - C) Lungs
 - D) Pancreas

2. Which part of the nephron is responsible for glomerular filtration?
 - A) Renal tubule
 - B) Collecting duct
 - C) Renal corpuscle
 - D) Ureter

3. What percentage of filtered water is typically reabsorbed by the renal tubules?
 - A) 10%
 - B) 25%
 - C) 50%
 - D) About 99%

4. Which hormone is produced by the kidneys to stimulate red blood cell production?
 - A) Insulin
 - B) Aldosterone
 - C) Erythropoietin
 - D) Calcitonin

5. Which structure transports urine from the kidneys to the urinary bladder?
 - A) Urethra
 - B) Collecting duct
 - C) Ureter
 - D) Renal cortex

True or False:

6. The urinary bladder stores urine before it is expelled from the body. (T/F)

7. Tubular secretion adds materials such as wastes and drugs into the filtrate. (T/F)

8. Glomerular endothelial cells are highly permeable due to large fenestrations. (T/F)

9. The kidneys help regulate blood glucose through gluconeogenesis. (T/F)

10. The filtration membrane allows all plasma proteins to pass freely. (T/F)

Answers

Answers:

1. B) Kidneys
2. C) Renal corpuscle
3. D) About 99%
4. C) Erythropoietin
5. C) Ureter
6. True
7. True
8. True
9. True
10. False