



BIOLOGY

BOOKS - ICSE

THE EXCRETORY SYSTEM

Exercise Fill In The Blanks

1. Name the The process of removal of nitrogenous wastes from the body.



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2. The lungs help us the get rid of _____.



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3. The sweat glands are situated in the
_____.



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4. The _____ are the major excretory organs of the body .



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5. The kidneys consist of many filtering units celled _____.



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6. Each nephron has a cup-shaped structure called the _____.



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7. The _____ is a network of capillaries within the cup of the Bowman's capsule .



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8. Blood enters a kidney through a _____.



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9. Urine passes out of the bladder through the

_____.



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10. Escherichia _____ is the most common cause of urinary tract infection .



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Exercise Choose The Correct Option

1. The renal system excretes waste in the form of

A. urine

B. sweat

C. faeces

D. bile

Answer:



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2. Which substance/s is / are expelled in urine ?

A. Salts

B. Urea

C. Uric acid

D. All of these

Answer:



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3. Red blood cells are broken down in the

A. lungs

B. skin

C. liver

D. kidneys

Answer:



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4. Uric acid is produced from the breakdown of

A. proteins

B. haemoglobin

C. urea

D. old cells

Answer:



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5. The Bowman's capsule is a part of the

A. nephron

B. glomerulus

C. alevolus

D. sweat gland

Answer:



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6. Urine passes into the urinary bladder through the .

A. renal tube

B. ureters

C. nephrons

D. urethra

Answer:



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7. The filtration of waster from blood occurs in the

- A. renal tubule
- B. Bowman's capsule
- C. ureters
- D. urinary bladder

Answer:



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8. Urinary tract infections can effect

A. only the urinary bladder

B. only the kidneys

C. both the urinary bladder and kidneys

D. none of these

Answer:



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Exercise Write True Or False If False Write The Correct Statement

1. Oxygen is excreted through the respiratory tract.



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2. Sweat is a mixture of water, salt and urea.



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3. Amino acids are broken down to form urea .



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4. Dead red blood cells are broken down only in the liver.



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5. The kidneys excrete proteins .



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6. A nephron has a cup - shaped structure called the Bowman's capsule .



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7. The glomerulus is a network of capillaries within the cup of the Bowman's capsule .



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8. Clean blood leaves a kidney through the renal vein .



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9. The urethra carries urine away from the kidneys.



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10. Kidney stones occur only in the kidneys .



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Exercise

1. Match the following

Column A

1. Glomerulus
2. Kidneys
3. Ureter
4. Sweat glands
5. Urethra
6. Kidney stones
7. Urea
8. Dead red blood cells

Column B

- a. Expels urine from the urinary bladder
- b. Spleen and liver
- c. Uric acid
- d. Main excretory organs
- e. Carries urine to the urinary bladder
- f. Capillaries
- g. Skin
- h. Excreted in urine and sweat



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Exercise Answer The Following

1. Mention the excretory products expelled/processed by the lungs , skin and liver.



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2. How are dead red blood cells broken down ?



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3. How are urea and uric acid formed ?



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Exercise Explain In Brief

1. Draw a diagram of a sweat gland. Explain how sweat is formed and expelled through the skin.



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2. Draw the structure of a nephron. Explain its role in urine formation .



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3. Draw a diagram of the urinary system .
Explain how urine passes from the kidney to be expelled from the body .



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4. Name two common disorders of the urinary system . How do they occur ?



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5. Explain briefly how diabetes and high blood pressure affect the urinary system .



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