

The Excretory System

A. Choose the correct answer:

1. Which organ in the human body filters waste from the blood?

- A) Heart
- B) Lungs
- C) Kidneys
- D) Stomach

2. What is the main waste product removed by the kidneys?

- A) Oxygen
- B) Urine
- C) Sweat
- D) Saliva

3. The excretory system helps in maintaining:

- A) Body temperature
- B) Water balance and waste removal
- C) Blood circulation
- D) Bone strength

B. Fill in the Blanks:

1. The _____ remove waste from the blood and produce urine.
2. The liquid waste removed from our body through the excretory system is called _____.
3. The tiny filtering units in the kidneys are called _____.

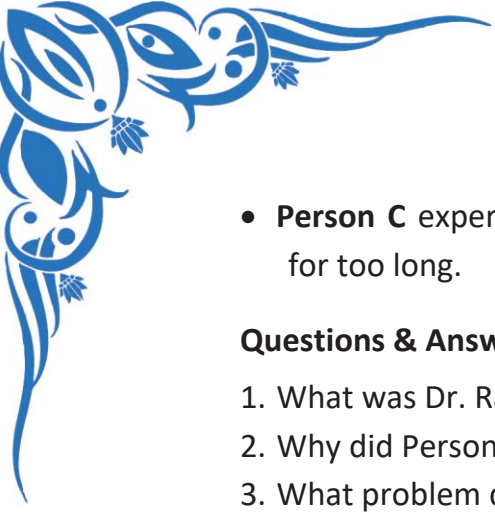
C. Case Study:

A doctor named Dr. Raj conducted a study on how the human body removes waste. He observed three individuals with different habits:

- **Person A** drank plenty of water and ate healthy food.
- **Person B** consumed too much junk food and did not drink enough water.
- **Person C** exercised regularly but often ignored the need to use the washroom on time.

After a few months, Dr. Raj recorded the following findings:

- **Person A** had a healthy urinary system and no complaints.
- **Person B** had difficulty passing urine and suffered from kidney pain.



- **Person C** experienced discomfort and urinary infections due to holding urine for too long.

Questions & Answers:

1. What was Dr. Raj trying to analyze in his study?
2. Why did Person B experience kidney pain?
3. What problem did Person C face due to delaying urination?
4. Based on this study, why is it important to drink enough water and urinate regularly?

D. Short Answer Questions:

1. What is the main function of the excretory system?
2. How do the kidneys help in removing waste from the body?
3. Why is it important to drink enough water for a healthy excretory system?

E. Long Answer Questions:

1. Explain the role of the kidneys, ureters, bladder, and urethra in the excretory system.
2. What are the harmful effects of not drinking enough water on the excretory system?
3. Describe different ways in which the body removes waste apart from the kidneys.