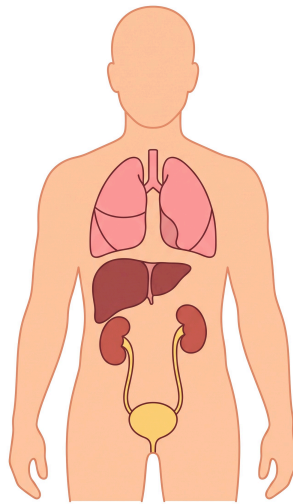


Excretory System

How the body removes its wastes



7

printable sheets

17

pages

All

answer keys included

Excretory System Teaching Pack

How the body removes its wastes

How to use this pack. The sheets are in a suggested teaching order: show the labeled diagram, have students label the blank one, then work through the practice sheets and finish with the quiz. Use them all over a week or pick the ones you need. The answer keys are together at the back.

What is inside

1. Teach

Excretory System Diagram 3

2. Label

Blank Excretory System 4

3. Match

Excretory System Parts and Their Jobs 5

4. Read

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5. Order

From Blood to Urine 9

6. Review

Excretory System Crossword 10

7. Check

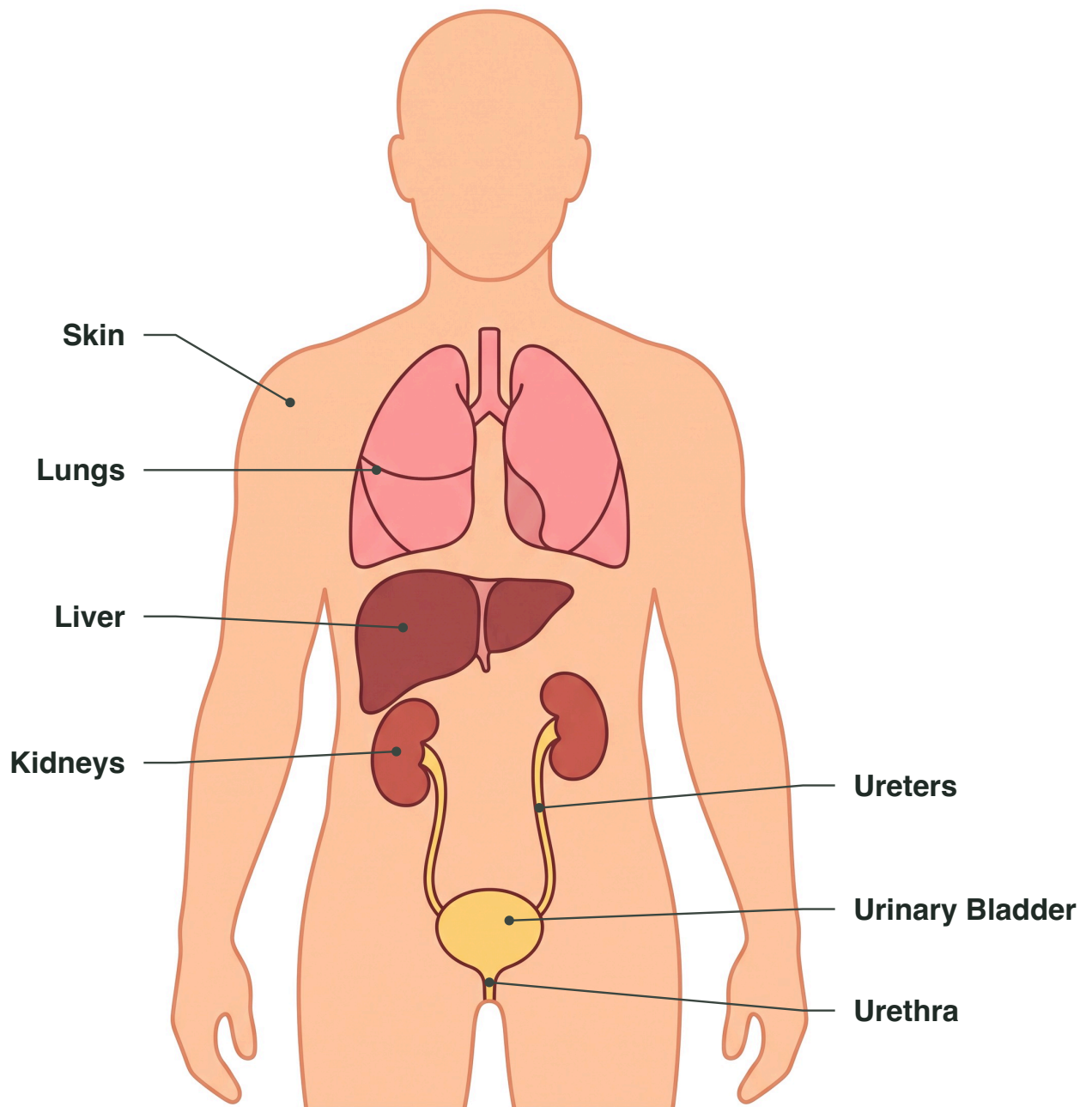
Excretory System Quiz 11

Answer keys

Every answer key, in the same order 13

More free teaching packs. Skeletal System, Muscular System, Digestive System, Respiratory System, Heart and Circulation, Nervous System and Brain, Eye and Ear, Endocrine System, Immune System and more at printablescholar.com/teaching-packs/

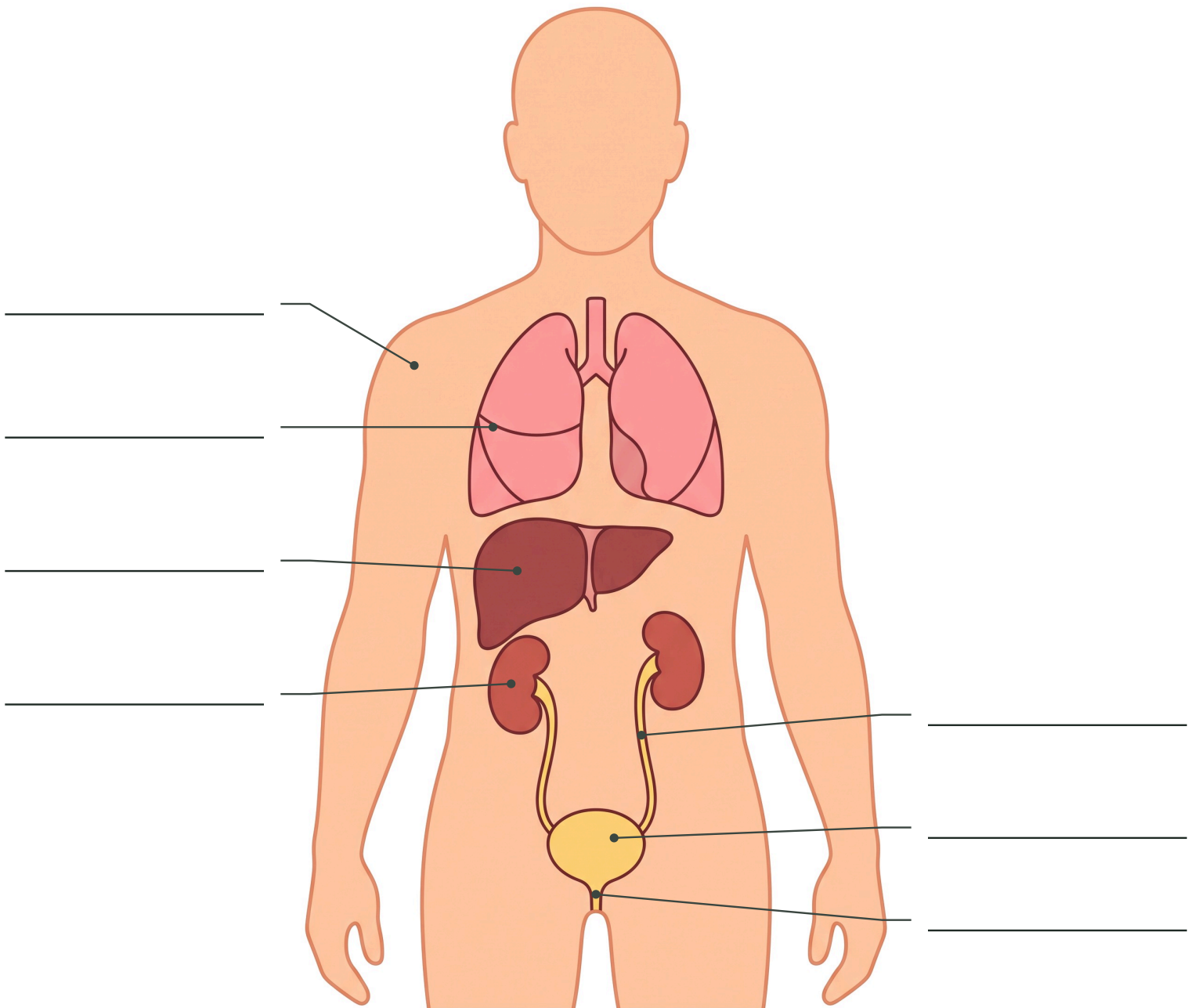
The Excretory System



The Excretory System

Name: _____

Write the name of each part on its line. Use the word bank.



Word bank

Kidneys

Liver

Lungs

Skin

Ureters

Urethra

Urinary Bladder

Excretory System Parts and Their Jobs

Use the labeled excretory system diagram to help you.

Part A. Write the part that does each job.

Word bank

Kidneys

Liver

Lungs

Skin

Ureters

Urethra

Urinary Bladder

1. A muscular bag that stores urine until it leaves the body. _____
2. They remove carbon dioxide, a waste gas, when you breathe out. _____
3. A pair of bean-shaped organs. They filter waste and extra water from the blood to make urine. _____
4. It releases water, salts and a little urea in sweat. _____
5. The tube that carries urine out of the body. _____
6. It changes harmful wastes in the blood into forms the body can remove. _____
7. Two tubes that carry urine down to where it is stored. _____

Part B. Answer the questions.

1. List the four parts that urine passes through, in order. Start with the part that makes it.

2. Which organ removes a waste gas? What is the gas?

3. The words ureter and urethra look alike. How are the jobs of these two tubes different?

Excretory System Parts and Their Jobs: Answer Key

Answers are in green. Written answers will vary; these are examples.

Part A. Write the part that does each job.

Word bank

Kidneys

Liver

Lungs

Skin

Ureters

Urethra

Urinary Bladder

- | | |
|--|------------------------|
| 1. A muscular bag that stores urine until it leaves the body. | Urinary Bladder |
| 2. They remove carbon dioxide, a waste gas, when you breathe out. | Lungs |
| 3. A pair of bean-shaped organs. They filter waste and extra water from the blood to make urine. | Kidneys |
| 4. It releases water, salts and a little urea in sweat. | Skin |
| 5. The tube that carries urine out of the body. | Urethra |
| 6. It changes harmful wastes in the blood into forms the body can remove. | Liver |
| 7. Two tubes that carry urine down to where it is stored. | Ureters |

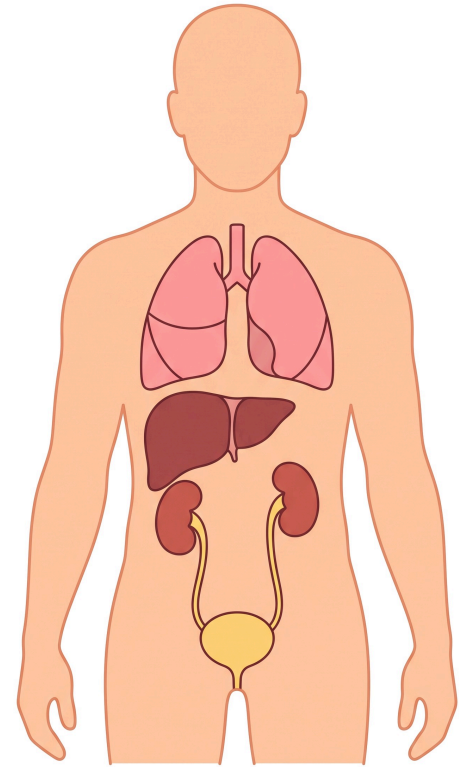
Part B. Answer the questions.

1. List the four parts that urine passes through, in order. Start with the part that makes it.
Kidneys, ureters, urinary bladder, urethra.
2. Which organ removes a waste gas? What is the gas?
The lungs. They remove carbon dioxide.
3. The words ureter and urethra look alike. How are the jobs of these two tubes different?
The ureters carry urine from the kidneys to the bladder. The urethra carries urine from the bladder out of the body.

How Your Body Gets Rid of Waste

Read the text. Then answer the questions on the next page.

- 1 Your cells are busy all day. They release energy from food and build new parts. This work leaves wastes behind. If the wastes built up, they would harm you. Removing the wastes that cells make is called **excretion**. The organs that do this job make up the **excretory system**.
- 2 The two **kidneys** do much of the work. They are bean-shaped organs, each about the size of a fist. Blood flows through them all day long. Inside each kidney are about a million tiny filters called **nephrons**. The nephrons take **urea**, extra water and extra salts out of the blood. Together these make a liquid waste called **urine**. The cleaned blood goes back to the body.
- 3 Urine flows out of each kidney and down a thin tube called a **ureter**. The two ureters lead to the **urinary bladder**, a muscular bag that stores urine and stretches as it fills. When you use the bathroom, urine leaves the body through one more tube, the **urethra**.
- 4 Other organs help too. When the body breaks down proteins, a harmful waste is left over. The **liver** changes this waste into urea, which is less harmful. Blood carries the urea to the kidneys, and the kidneys filter it out. The **lungs** remove carbon dioxide, a waste gas, every time you breathe out. The **skin** releases water, salts and a little urea in sweat.
- 5 The kidneys also keep the amount of water in your body steady. When you drink a lot of water, they make more urine and it is pale. When you have not had enough to drink, they save water. They make less urine, and it is darker because it has less water in it.



The organs of the excretory system.

How Your Body Gets Rid of Waste: Questions

Go back to the text to find each answer. The paragraphs are numbered to help you.

1. What is this text mostly about?

- ☐ Why people need to eat protein
- ☐ How the body removes its wastes
- ☐ How the lungs take in oxygen
- ☐ Why people sweat on hot days

2. What is excretion?

- ☐ Breaking down food for energy
- ☐ Pumping blood around the body
- ☐ Removing the wastes that cells make
- ☐ Storing water in the body

3. What are nephrons?

- ☐ Tubes that carry urine
- ☐ Tiny filters inside the kidneys
- ☐ Muscles in the bladder
- ☐ Wastes found in sweat

4. Name three things the nephrons take out of the blood.

5. Number the steps 1, 2 and 3 to show what happens to a waste from proteins (paragraph 4).

- ☐ The kidneys filter the urea out of the blood.
- ☐ The body breaks down proteins and a harmful waste is left over.
- ☐ The liver changes the harmful waste into urea.

6. Which part stores urine until it leaves the body?

- ☐ A kidney
- ☐ A ureter
- ☐ The urinary bladder
- ☐ The urethra

7. Which waste do the lungs remove, and when?

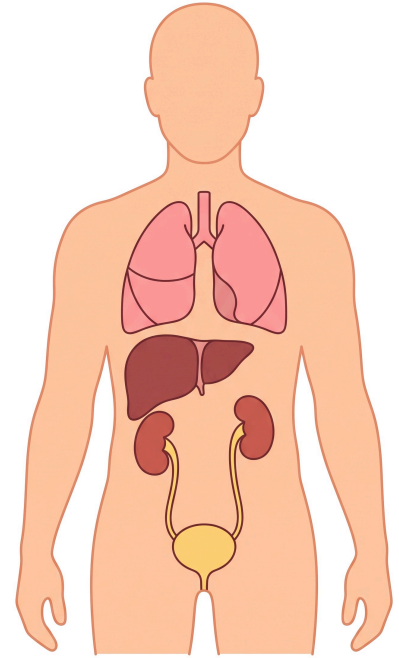
8. On a hot day you have not had much to drink. Your urine is darker than usual. Why?

From Blood to Urine

How do the kidneys clean the blood, and where does the waste go? Put the steps in order.

Part A. Number the steps from 1 to 6.

- ☐ Urine collects in the urinary bladder, which stretches as it fills.
- ☐ The urea, water and salts collect in the kidneys as urine.
- ☐ Urine leaves the body through the urethra.
- ☐ Nephrons in the kidneys filter urea, extra water and extra salts out of the blood.
- ☐ Urine flows down the two ureters.
- ☐ Blood carrying urea flows into the kidneys.



Part B. Answer the questions.

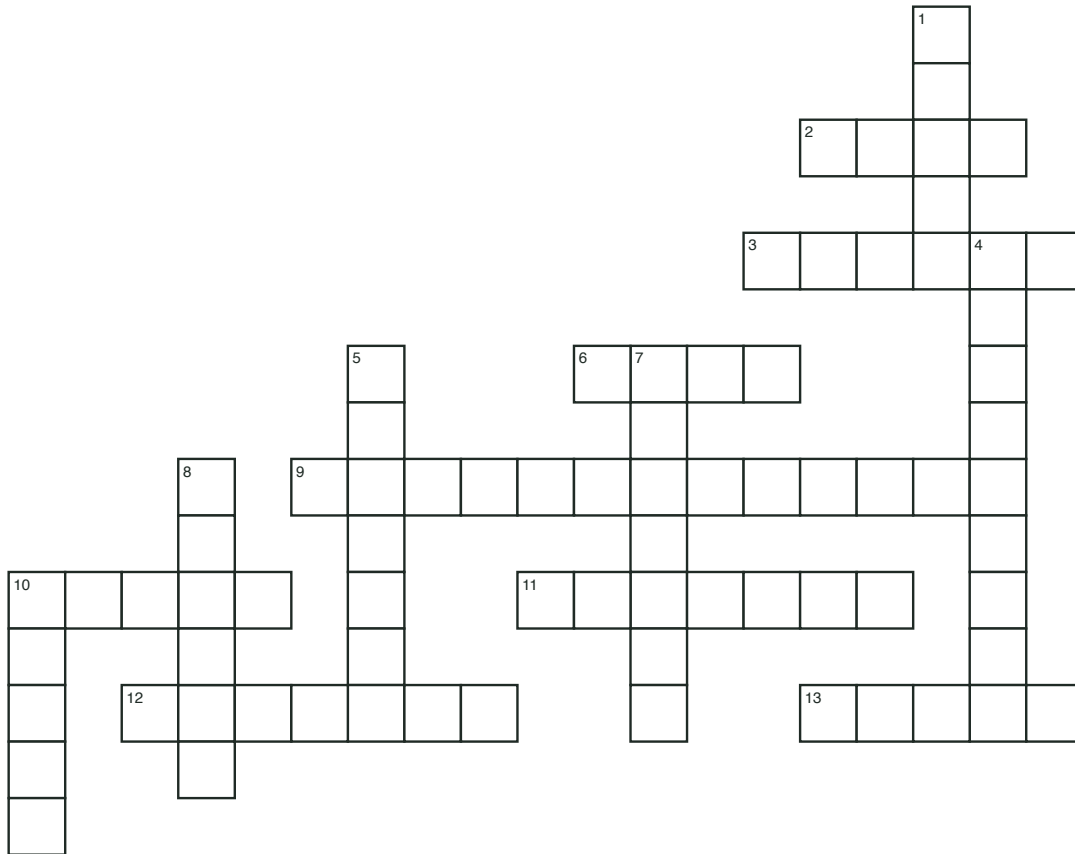
1. What is the job of the urinary bladder?

2. What three things is urine made of?

3. The body has two ureters but only one urethra. Why does it need two ureters?

Excretory System Crossword

Read each clue. Write the answer in the puzzle, one letter in each box. Use the word bank if you get stuck.



ACROSS

2. A waste that comes from breaking down proteins.
3. To take wastes out of the blood, as the kidneys do.
6. The outer covering of the body. It releases sweat.
9. The waste gas the lungs remove (2 words).
10. The organ that changes a harmful waste into urea.
11. The tube that carries urine out of the body.
12. One of the tiny filtering units inside a kidney.
13. The liquid waste the kidneys make.

DOWN

1. Water, salts and a little urea released through the skin.
4. Removing the wastes that cells make.
5. The muscular bag that stores urine.
7. Two bean-shaped organs that clean the blood and make urine.
8. A thin tube that carries urine from a kidney to the bladder.
10. They remove a waste gas when you breathe out.

Word bank

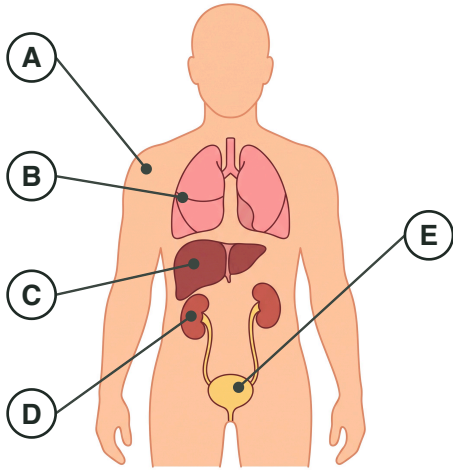
bladder carbon dioxide excretion filter kidneys liver lungs nephron skin
sweat urea ureter urethra urine

Excretory System Quiz

Score _____ / 13

Show what you know about the excretory system.

Part A. These are the organs of the excretory system. Write the name of each part.



A _____

B _____

C _____

D _____

E _____

Kidneys · Liver · Lungs · Skin · Urinary Bladder

Part B. Choose the best answer.

1. Which organs filter the blood and make urine?

- ☐ Lungs
- ☐ Kidneys
- ☐ Ureters
- ☐ Skin

2. What does the urinary bladder do?

- ☐ Makes urine
- ☐ Filters blood
- ☐ Stores urine
- ☐ Makes sweat

3. Which waste do the lungs remove?

- ☐ Urea
- ☐ Salts
- ☐ Urine
- ☐ Carbon dioxide

4. Which tube carries urine out of the body?

- ☐ Ureter
- ☐ Urethra
- ☐ Nephron
- ☐ Artery

5. What are nephrons?

- ☐ Tiny filters in the kidneys
- ☐ Tubes that carry urine
- ☐ Muscles in the bladder
- ☐ Wastes in sweat

6. Which organ releases waste in sweat?

- ☐ Liver
- ☐ Kidneys
- ☐ Urinary bladder
- ☐ Skin

Part C. Write your answer.

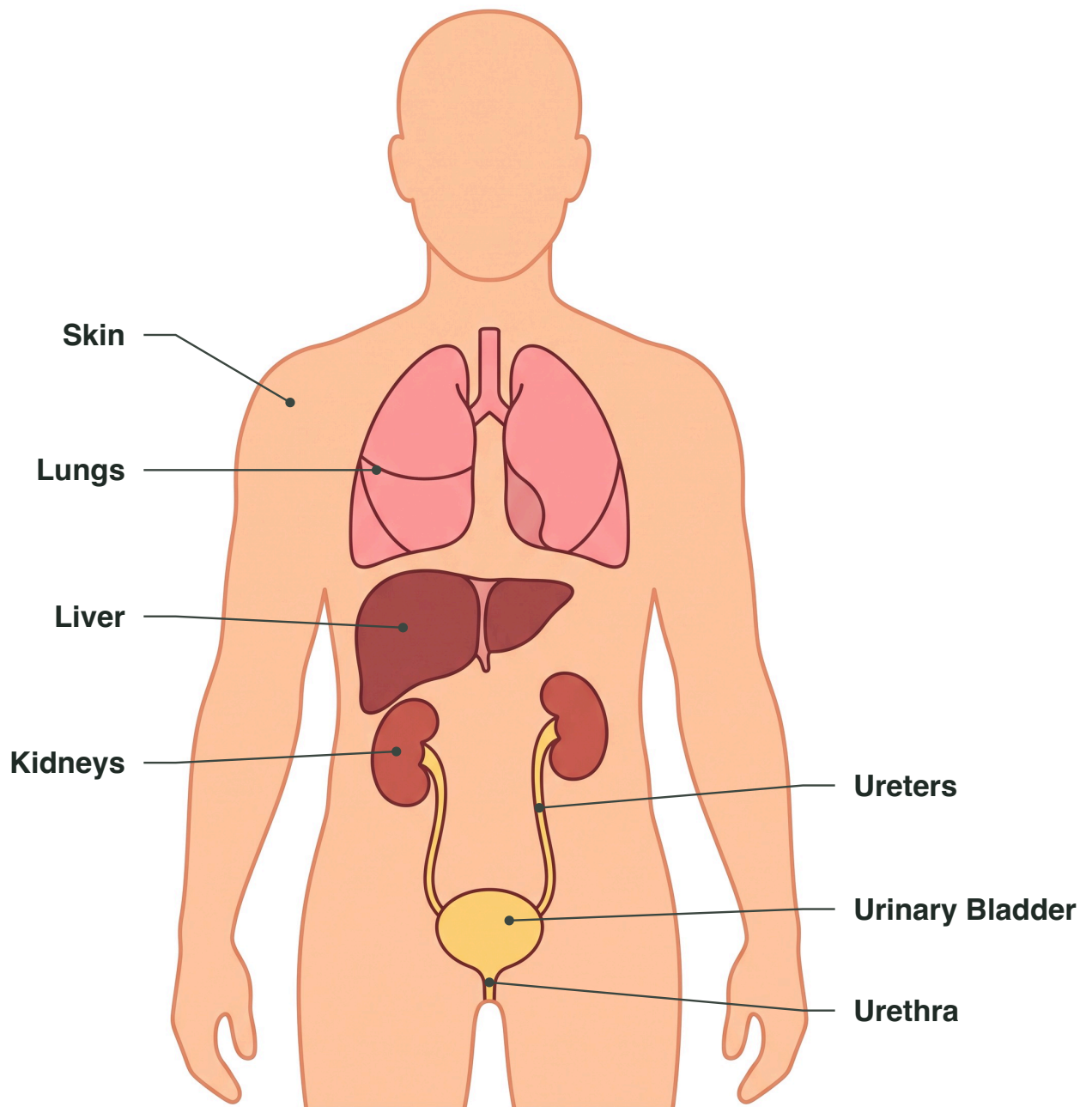
7. List the four parts that urine passes through, in order. Start with the part that makes it.

8. How does the liver help the body get rid of waste?

Answer Keys

In the same order as the sheets.

The Excretory System: Answer Key



How Your Body Gets Rid of Waste: Answer Key

Answers are in green. Written answers will vary; these are examples.

1. What is this text mostly about?

- ☐ Why people need to eat protein
- ☒ **How the body removes its wastes**
- ☐ How the lungs take in oxygen
- ☐ Why people sweat on hot days

2. What is excretion?

- ☐ Breaking down food for energy
- ☐ Pumping blood around the body
- ☒ **Removing the wastes that cells make**
- ☐ Storing water in the body

3. What are nephrons?

- ☐ Tubes that carry urine
- ☒ **Tiny filters inside the kidneys**
- ☐ Muscles in the bladder
- ☐ Wastes found in sweat

4. Name three things the nephrons take out of the blood.

Urea, extra water and extra salts.

5. Number the steps 1, 2 and 3 to show what happens to a waste from proteins (paragraph 4).

- 3** The kidneys filter the urea out of the blood.
- 1** The body breaks down proteins and a harmful waste is left over.
- 2** The liver changes the harmful waste into urea.

6. Which part stores urine until it leaves the body?

- ☐ A kidney
- ☐ A ureter
- ☒ **The urinary bladder**
- ☐ The urethra

7. Which waste do the lungs remove, and when?

Carbon dioxide, every time you breathe out.

8. On a hot day you have not had much to drink. Your urine is darker than usual. Why?

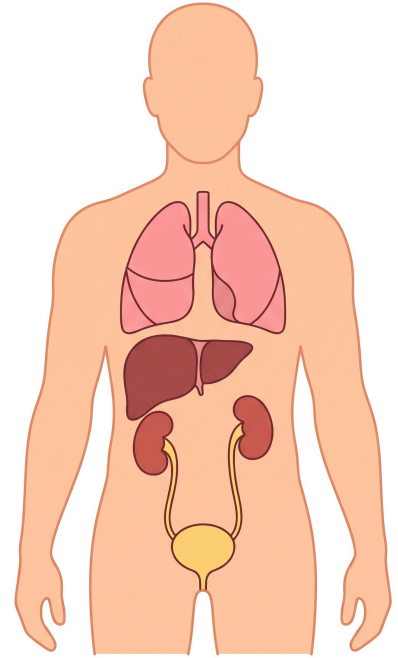
The kidneys are saving water. They make less urine, and it is darker because it has less water in it.

From Blood to Urine: Answer Key

Answers are in green. Written answers will vary; these are examples.

Part A. Number the steps from 1 to 6.

- 5 Urine collects in the urinary bladder, which stretches as it fills.
- 3 The urea, water and salts collect in the kidneys as urine.
- 6 Urine leaves the body through the urethra.
- 2 Nephrons in the kidneys filter urea, extra water and extra salts out of the blood.
- 4 Urine flows down the two ureters.
- 1 Blood carrying urea flows into the kidneys.



Part B. Answer the questions.

1. What is the job of the urinary bladder?

It stores urine until it leaves the body.

2. What three things is urine made of?

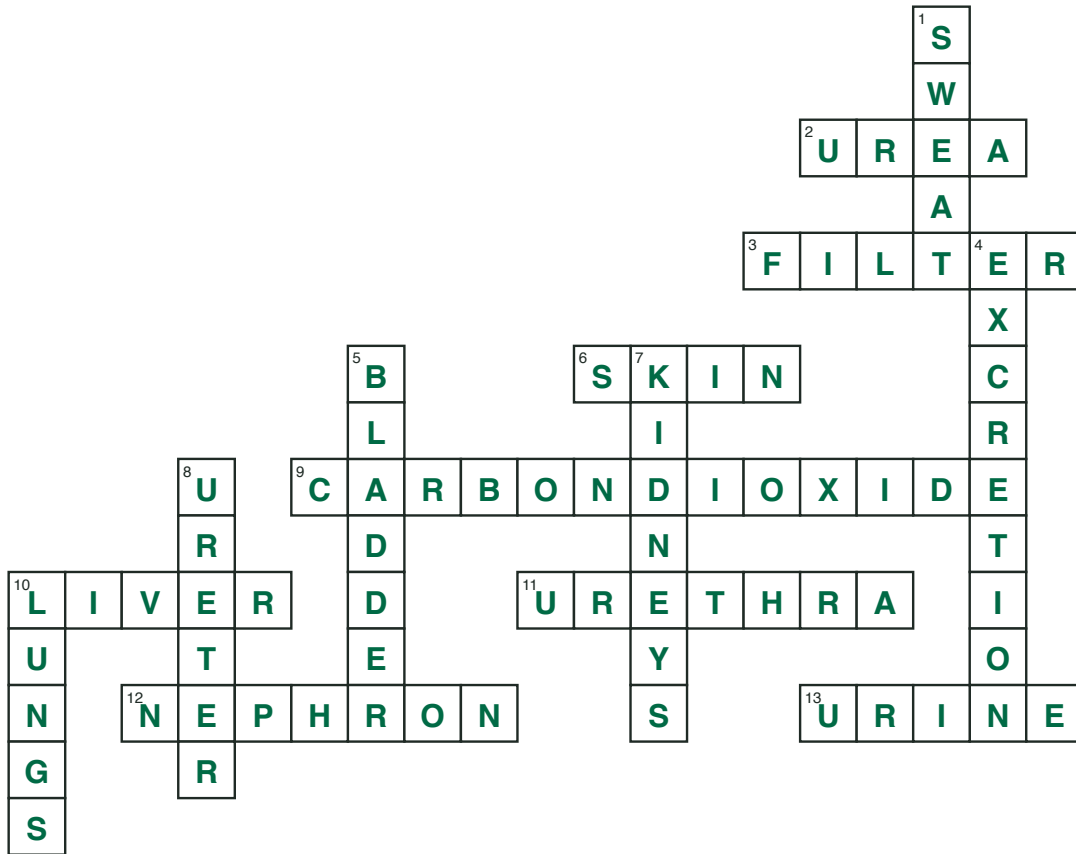
Urea, extra water and extra salts.

3. The body has two ureters but only one urethra. Why does it need two ureters?

There are two kidneys. Each kidney has its own ureter to carry its urine to the bladder.

Excretory System Crossword: Answer Key

Answers are in green.



ACROSS

2. A waste that comes from breaking down proteins.
3. To take wastes out of the blood, as the kidneys do.
6. The outer covering of the body. It releases sweat.
9. The waste gas the lungs remove (2 words).
10. The organ that changes a harmful waste into urea.
11. The tube that carries urine out of the body.
12. One of the tiny filtering units inside a kidney.
13. The liquid waste the kidneys make.

DOWN

1. Water, salts and a little urea released through the skin.
4. Removing the wastes that cells make.
5. The muscular bag that stores urine.
7. Two bean-shaped organs that clean the blood and make urine.
8. A thin tube that carries urine from a kidney to the bladder.
10. They remove a waste gas when you breathe out.

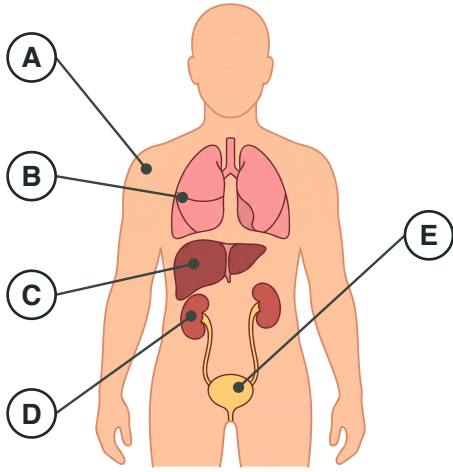
Word bank

bladder carbon dioxide excretion filter kidneys liver lungs nephron skin
sweat urea ureter urethra urine

Excretory System Quiz: Answer Key

Answers are in green. Written answers will vary; these are examples.

Part A. These are the organs of the excretory system. Write the name of each part.



- A Skin
- B Lungs
- C Liver
- D Kidneys
- E Urinary Bladder

Kidneys · Liver · Lungs · Skin · Urinary Bladder

Part B. Choose the best answer.

1. Which organs filter the blood and make urine?
 - ☐ Lungs
 - ☒ Kidneys
 - ☐ Ureters
 - ☐ Skin
2. What does the urinary bladder do?
 - ☐ Makes urine
 - ☐ Filters blood
 - ☒ Stores urine
 - ☐ Makes sweat
3. Which waste do the lungs remove?
 - ☐ Urea
 - ☐ Salts
 - ☐ Urine
 - ☒ Carbon dioxide
4. Which tube carries urine out of the body?
 - ☐ Ureter
 - ☒ Urethra
 - ☐ Nephron
 - ☐ Artery
5. What are nephrons?
 - ☒ Tiny filters in the kidneys
 - ☐ Tubes that carry urine
 - ☐ Muscles in the bladder
 - ☐ Wastes in sweat
6. Which organ releases waste in sweat?
 - ☐ Liver
 - ☐ Kidneys
 - ☐ Urinary bladder
 - ☒ Skin

Part C. Write your answer.

7. List the four parts that urine passes through, in order. Start with the part that makes it.
Kidneys, ureters, urinary bladder, urethra.
8. How does the liver help the body get rid of waste?
It changes a harmful waste into urea. Blood carries the urea to the kidneys, which filter it out.