

- 1** A scientist recorded the volume of urine released by different species of mammal during a 24-hour period.

The scientist collected urine from five individuals of each species of mammal.

The highest and lowest volumes of urine released were recorded to give a range for each species of mammal.

The table shows the results.

species of mammal	range of volumes of urine released in 24 hours / dm ³
A	2.10 — 12.60
B	15.30 — 40.50
C	0.08 — 0.16
D	1.00 — 2.00
E	0.60 — 2.40

State the species of mammal that has the largest range shown in the table.

..... [1]

[Total: 1]

- 2** Urine contains urea, excess water and excess ions.

The list shows some organs.

kidney liver ureter
urethra vagina

State the name of the organ from the list that produces urea.

..... [1]

[Total: 1]

3 Outline the role of the liver in excretion.

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[3]

[Total: 3]

4 Complete the sentences using words from the list.

amino acids anus bladder fatty acids glucose

rectum uterus ureter urethra

You may use the words once, more than once or not at all.

Urea is a waste product made from the breakdown of excess

Urea passes through the kidney and forms part of the urine.

Urine leaves the kidney in the

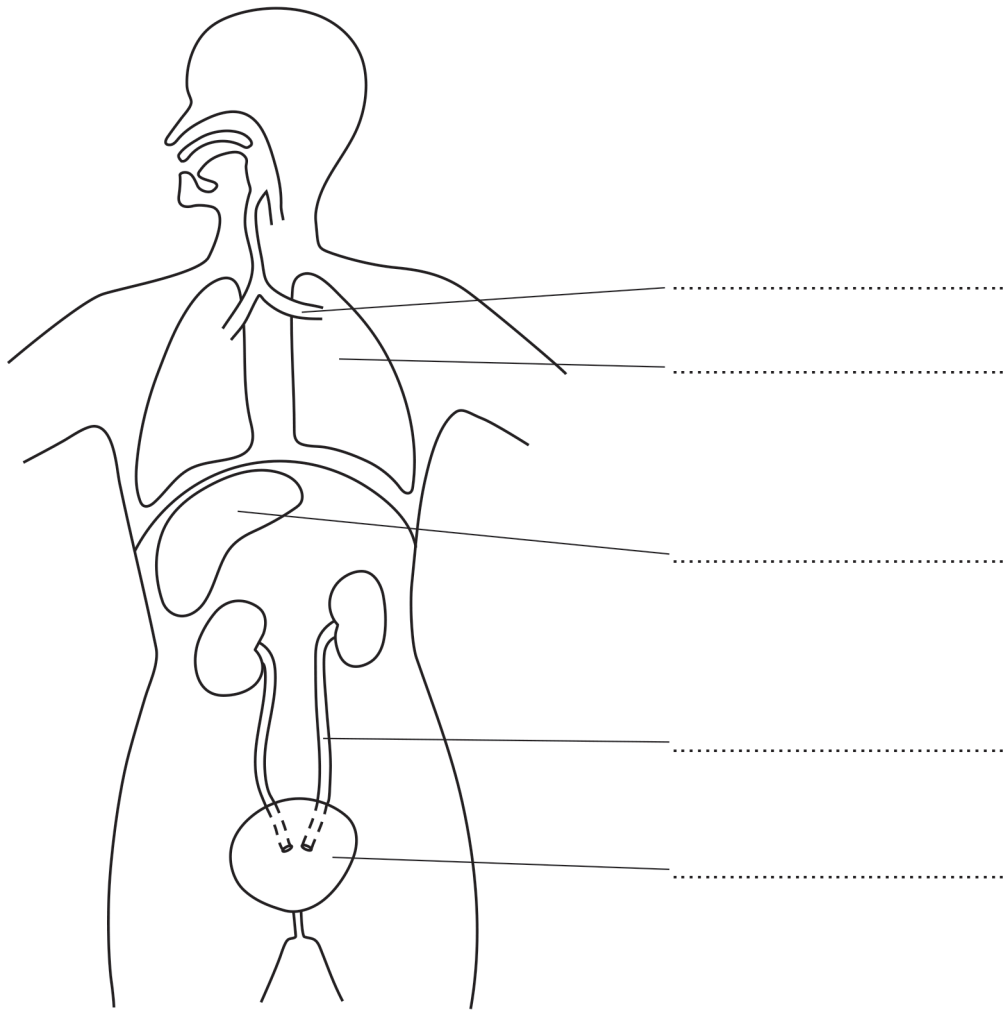
This tube takes the urine to the where the urine is stored until it leaves the body.

It leaves the body through the

[4]

[Total: 4]

- 5 The diagram shows some of the structures involved in excretion.



Complete the diagram by labelling the structures in the spaces provided.

Choose structures from the list:

bladder bronchus heart liver lung

pancreas trachea ureter urethra

[5]

[Total: 5]

- 6 Urea is excreted.

State where in the body urea is made.

..... [1]

[Total: 1]

- 7 The lungs and the kidneys are excretory organs of the human body.

Define the term *excretion*.

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[3]

[Total: 3]

- 8 The kidney filters the blood and produces a liquid called urine.

State **three** substances that are found in the urine of a healthy person.

1

2

3

[3]

[Total: 3]