

Unit 12 A healthy body

A Multiple-choice questions

1. A
2. B
3. D
4. B
5. C
6. A
7. B
8. C
9. D
10. C

B True or false questions

1. F
2. T
3. F
4. F
5. T

C Fill-in-the-blanks

1. peristalsis, constipation
2. preservative
3. gall bladder, emulsifies
4. Septum
5. Cholesterol

D Short questions

1. X: Proteins Y: Fats Z: Water
2. Colourings. They are added to make the sausages more attractive.
Flavourings, They are added to make the sausages more tasty.
3. Organic food may be less hygienic because organic fertilizer such as animal manure is used. / The appearance of organic food may not be attractive because no insecticide is used. Some parts of the vegetables may be eaten by insects.
4. It contains an enzyme which helps digest starch into maltose.
It can moisten and lubricate the food for easy swallowing.
5. X: Blood capillary
Y: Plasma
Substances dissolved in Y: nutrients (e.g. glucose) / wastes (e.g. carbon dioxide) / water (any TWO)

E**Long questions**

1.

a starch $\xrightarrow{\text{enzyme}}$ maltose

b F

c It is very long. /

Its wall is highly folded and lined with numerous villi. /

The walls of the villi are very thin. /

Inside the villi, there is a lot of blood capillaries.

(any TWO)

d The digestion of fats will be less efficient. / The digestion of fats may not be completed.

e The faeces will become harder because more water is absorbed from the faeces in the large intestine.

2.

a Every time our heart beats, blood rushes into the arteries and presses on their walls. The arteries expand and contract alternately when the heart beats. This is felt as a pulse.

b 6 beats in 5 s.

Rate of heartbeat = $6/5 \times 60 = 72$ beats/min

c Relaxing.

d Contracting.

3.

- a The blood pressure would increase.
- b The organ may be damaged due to the lack of oxygen and nutrients.
- c Oatmeal.
- d Bacon sandwich.
It contains more protein and calcium.