



Subject: Grade 9 Natural Sciences
Topic: Natural Sciences: Term 1 - Mini-Exam
Total: 95 Marks

Name: _____

Date: _____

Question 1: True/False

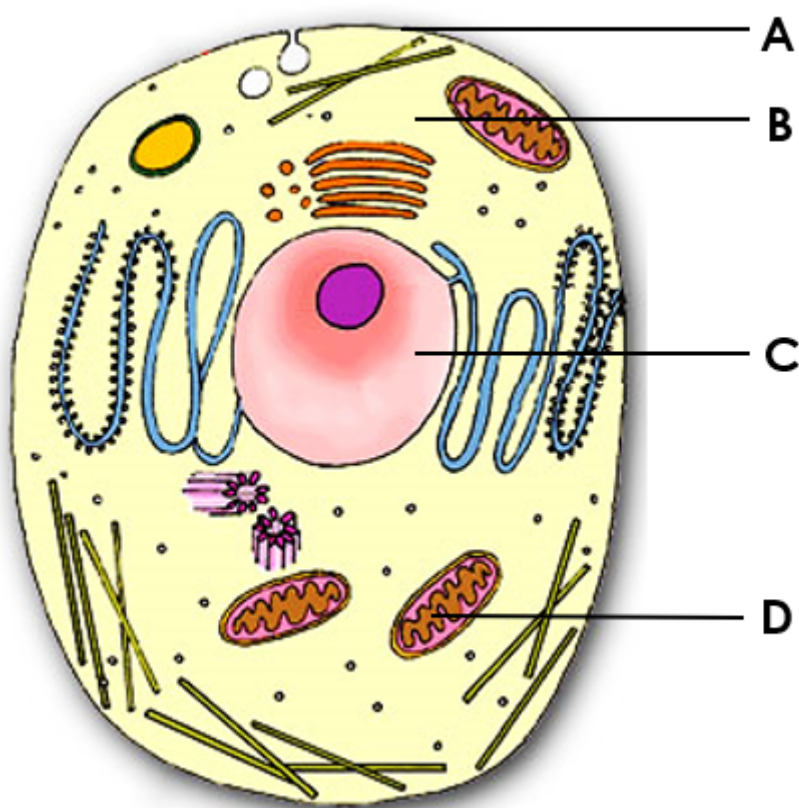
3 marks

Microscopic organisms are invisible to the naked eye.

TRUE

FALSE

This image refers to question: 2, 3



Question 2: Text Input

2 marks

The structures in the cell cytoplasm that carry out the cell's function are called

Your answer should be **one word** only.

Question 3: Please Fill In The Blanks

6 marks

The part of the cell that:

1. Controls all activities is called the (1) .
2. Controls which substances that enter and exit the cell is called the (2) .
3. Creates energy for the cell is called the (3) .

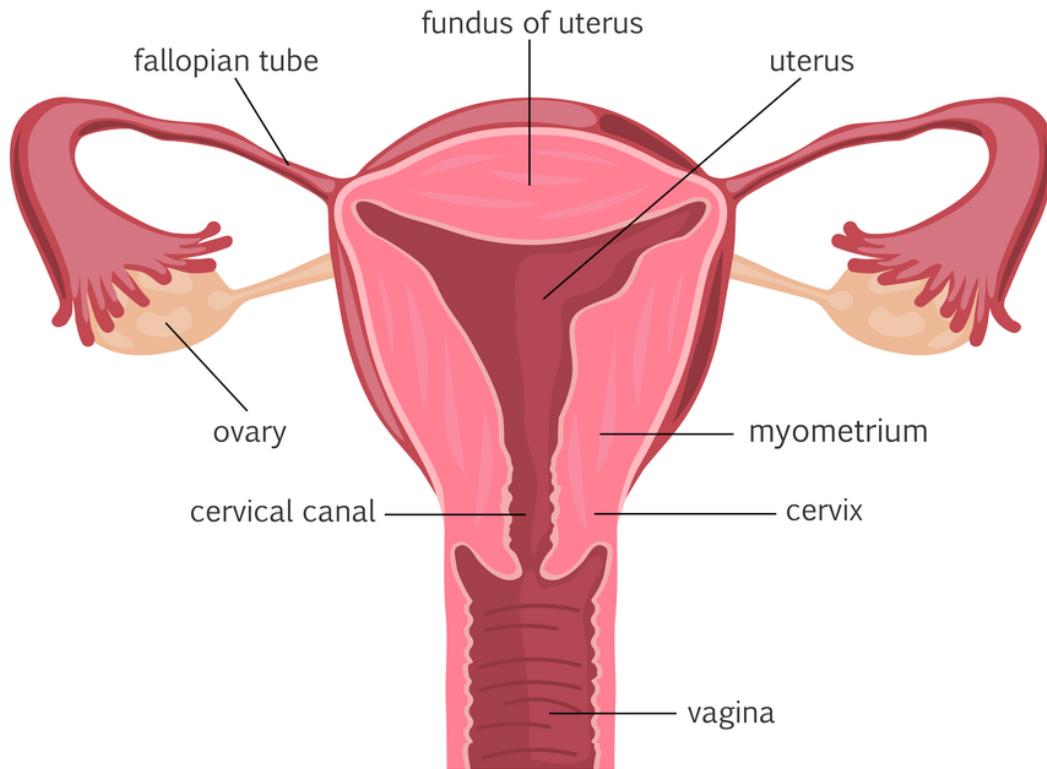
Possible Answers: cytoplasm | ribosome | nucleus | cell membrane | vacuole | mitochondria

1	
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2	
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This image refers to question: 4

Female Reproductive System



Question 4: Please Fill In The Blanks

6 marks

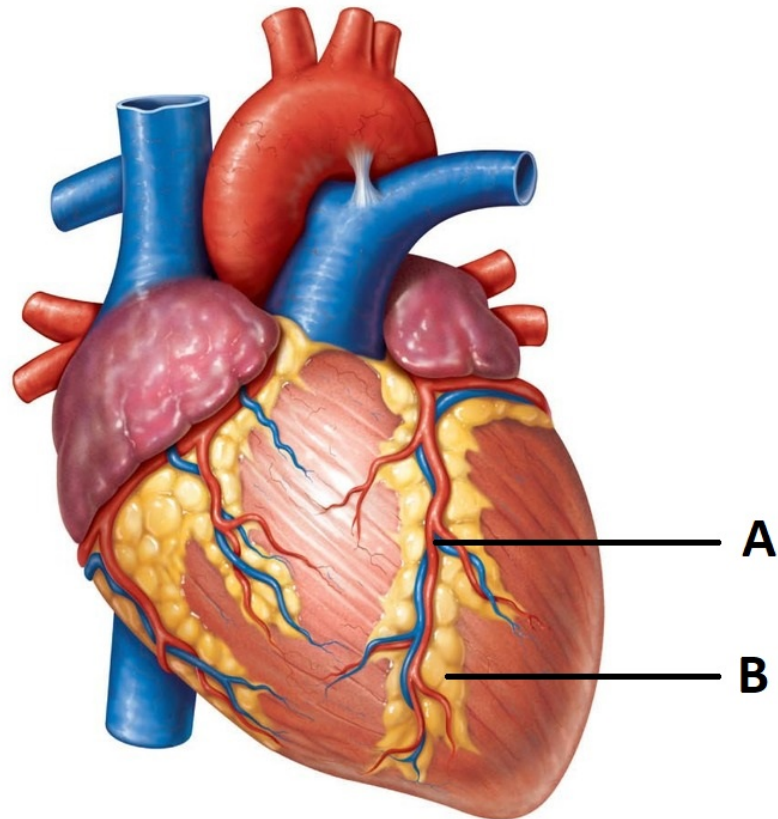
The uterus is hollow with extremely strong muscular walls that can carry and protect a baby. The (1) at the top of the uterus, connect it to the ovaries. There are two ovaries on either side of the uterus. They produce (2) and contain the ova. The bottom neck of the uterus is called the (3) , which is tightly closed to protect the inside of the uterus.

Possible Answers: ovaries | fallopian tubes | oestrogen | testosterone | cervix | vagina

1	
3	

2	
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This image refers to question: 5



Question 5: Text Input

3 marks

A disease that occurs when **blood vessels** carrying oxygenated blood to the **heart** muscles are **blocked**.

Question 6: Please Fill In The Blanks

6 marks

The functions of the muscoskeletal system are:

1. To (1) internal organs such as the heart, brain and liver.
2. To give (2) and shape to the body.
3. Enables (3) to take place.

Possible Answers: protection | movement | support | rigidity | cartilage | structure

1	
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Question 7: Multiple Choice

4 marks

What is an organ system?

- | | |
|----------|--|
| A | A group of organs working together to perform a similar function. |
| B | A group of tissues working together to perform a similar function. |
| C | A group of systems working together to perform a similar function. |
| D | A group of similar cells working together to perform a similar function. |

Question 8: Text Input

3 marks

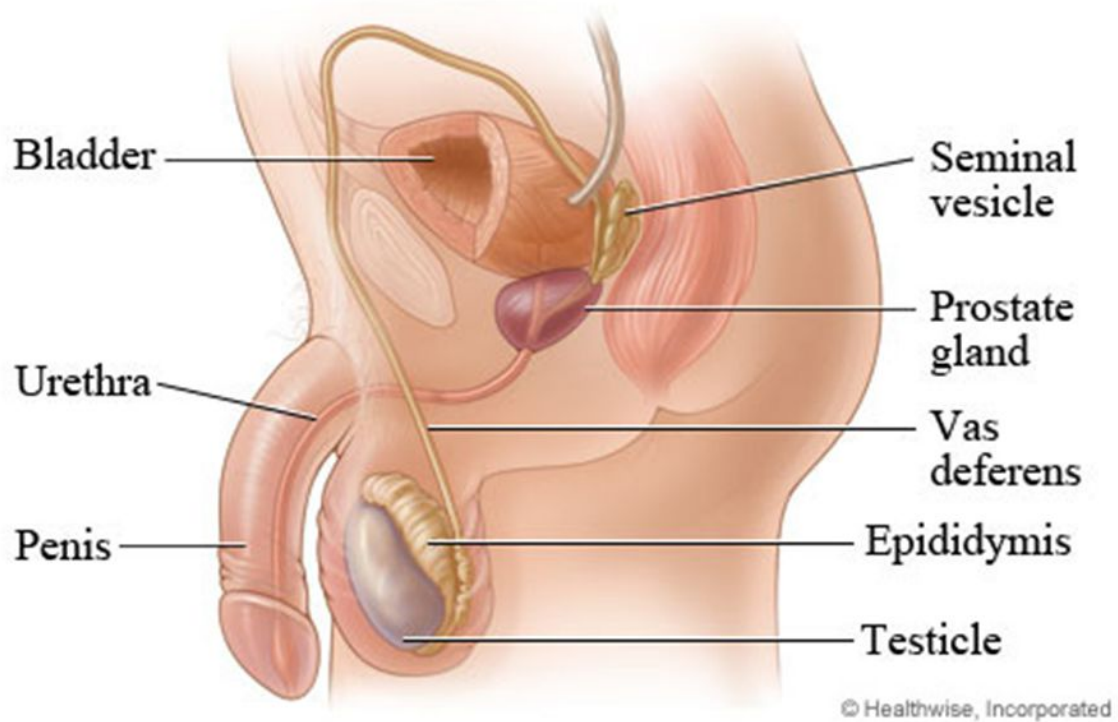
Food and oxygen and waste is transported to and from the growing baby through the ...

Your answer should be **two words**.

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This image refers to question: 9

Structure of Male Reproductive Tract



Question 9: True/False

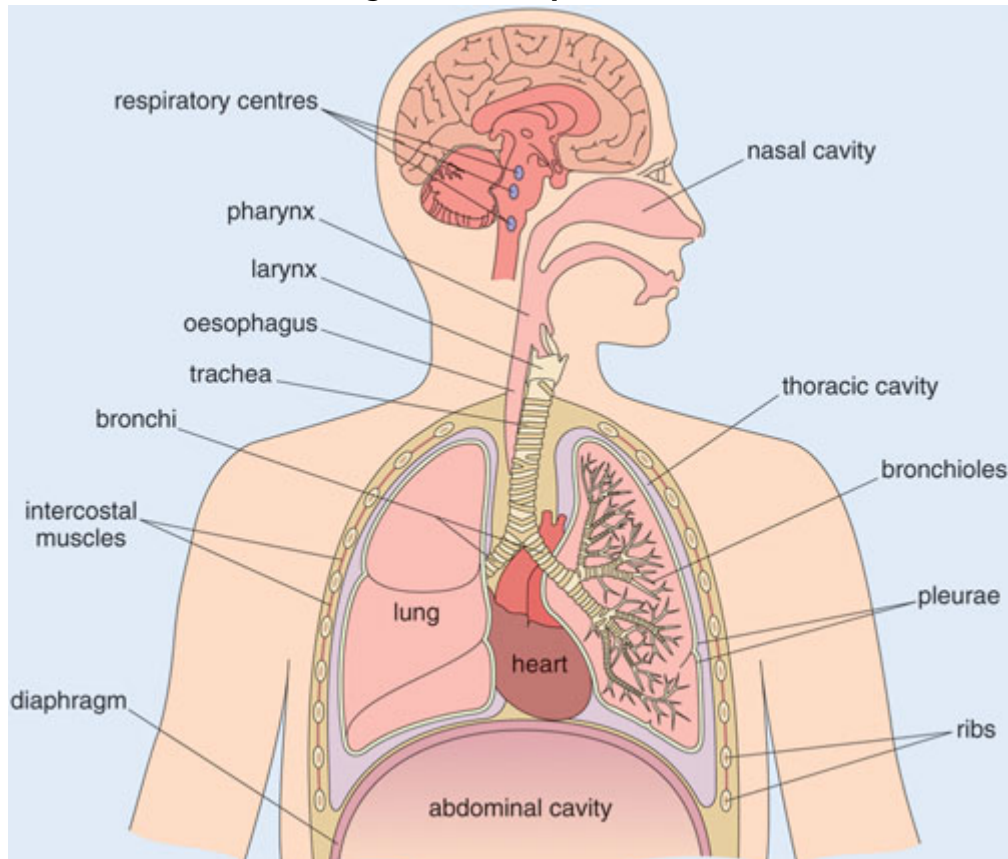
2 marks

Males are born with one of their testicles hanging outside their bodies.

TRUE

FALSE

This image refers to question: 10, 11



Question 10: True/False

2 marks

During **respiration** the gaseous exchange occurs in the alveoli.

TRUE

FALSE

Question 11: Text Input

3 marks

The windpipe that carries air from the throat to the lungs is called the ...

Your answer should be **one word** only.

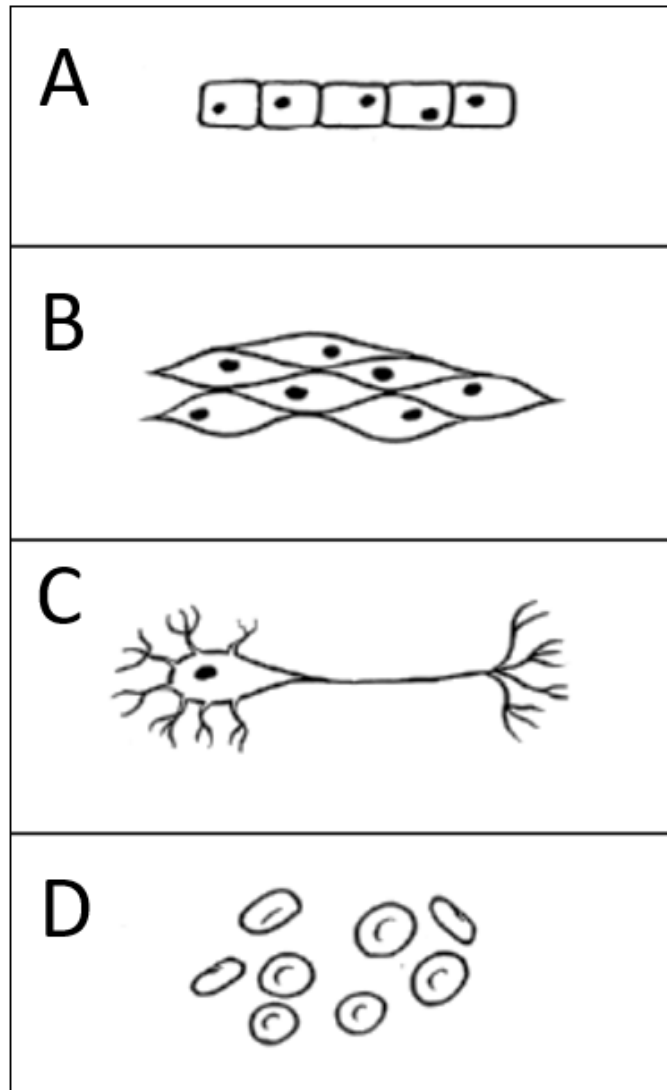
Question 12: Text Input

3 marks

A disease caused by vitamin C deficiency.

Your answer should be **one word** only.

This image refers to question: 13



Question 13: Multiple Choice

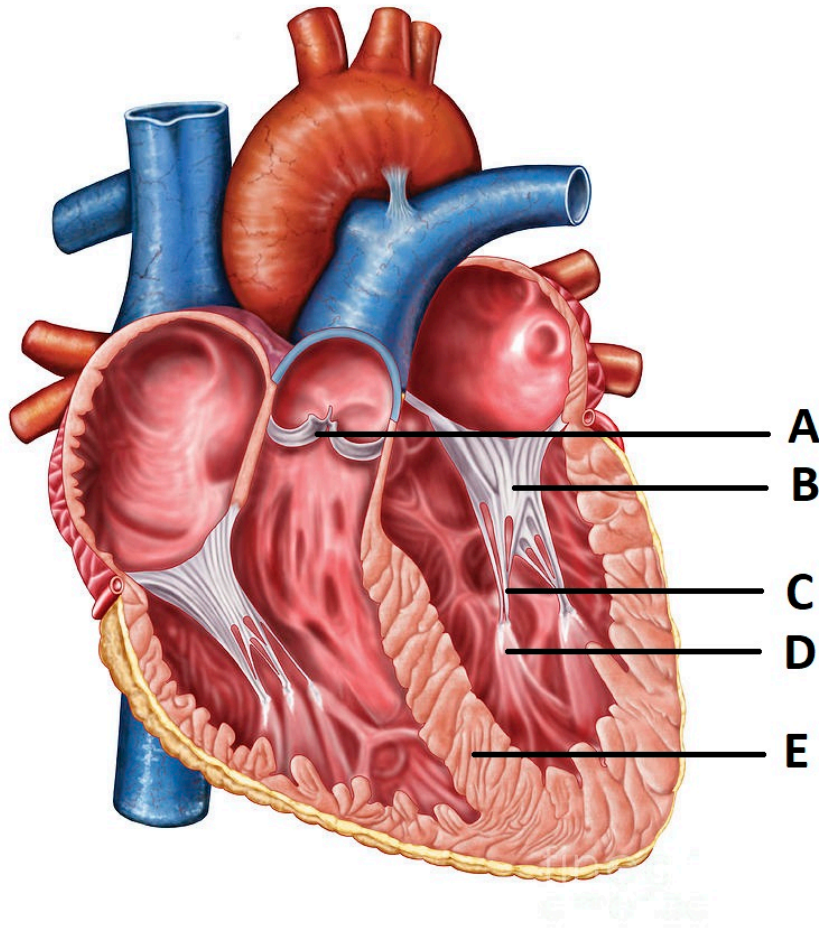
4 marks

Refer to diagram.

Which ONE of the cells cover the surface of the body for protection?

- | | |
|----------|---|
| A | A |
| B | B |
| C | C |
| D | D |

This image refers to question: 14



Question 14: True/False

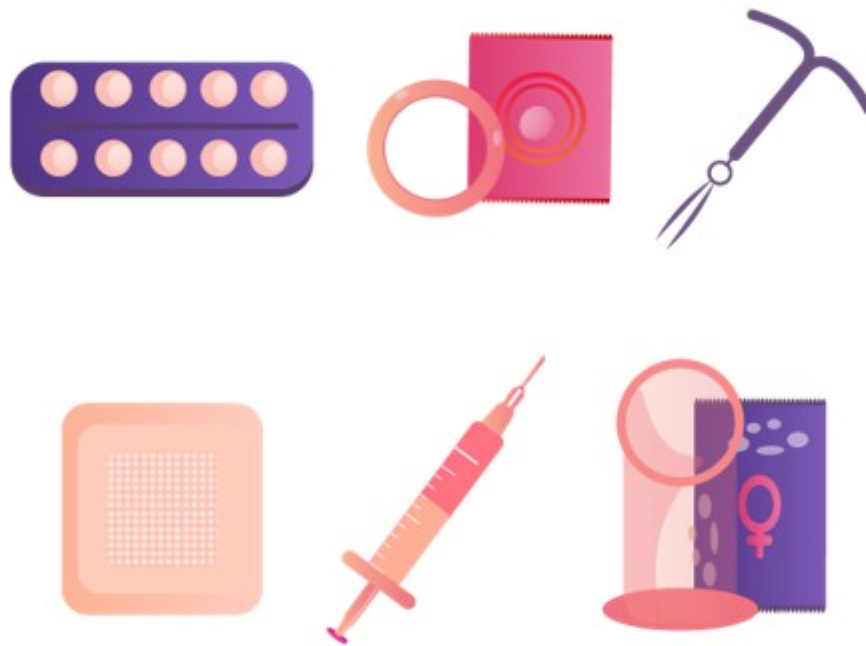
2 marks

The **right** ventricular walls have **thin mucle**s to create sufficient **pressure** to pump blood to the rest of the body.

TRUE

FALSE

This image refers to question: 15



Question 15: Multiple Choice

4 marks

Which of these are not a form of contraceptive?

- | | |
|----------|----------|
| A | The pill |
| B | STD |
| C | IUD |
| D | Condoms |

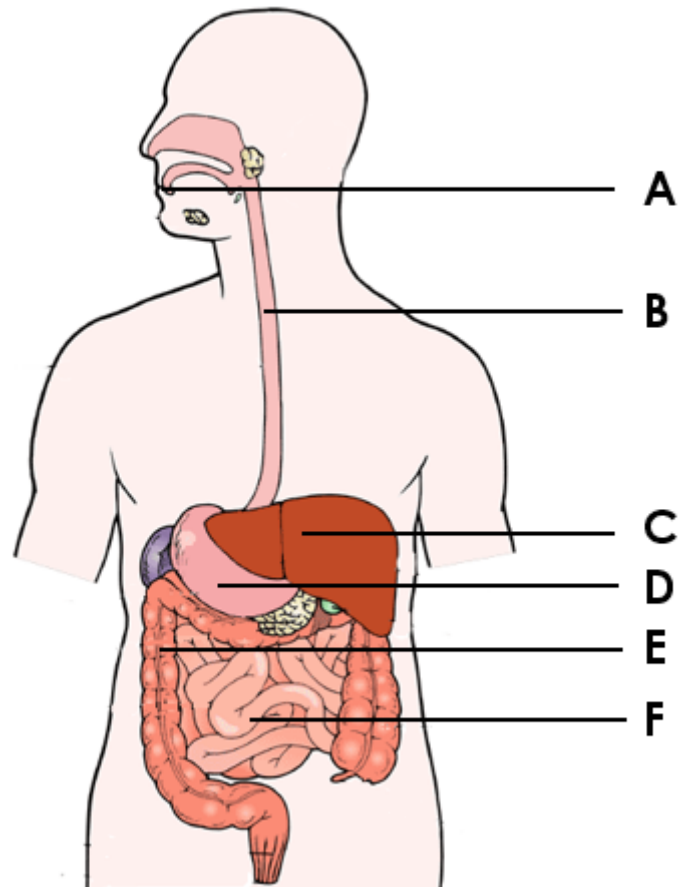
Question 16: Multiple Choice

4 marks

Which one of the following is NOT a change in females during puberty?

- | | |
|----------|--|
| A | Menstruation starts. |
| B | Pubic hair starts to grow and hair under the arms. |
| C | Body shape changes. |
| D | Voice becomes deeper. |

This image refers to question: 17, 18



Question 17: Multiple Choice

4 marks

Refer to the diagram and give the **letter of the organ** that is responsible for the **churning** and **breaking down** of food with **enzymes** and **hydrochloric acid**.

A	A
B	C
C	D
D	E

Question 18: Please Fill In The Blanks

6 marks

Refer to the diagram and give the letter of the following:

1. The longest part in the digestive system is the (1) .
2. The (2) is where food mixes with acid.
3. The passageway for food from mouth to the stomach is the (3) .

Possible Answers: A | B | C | D | E | F

1	
3	

2	
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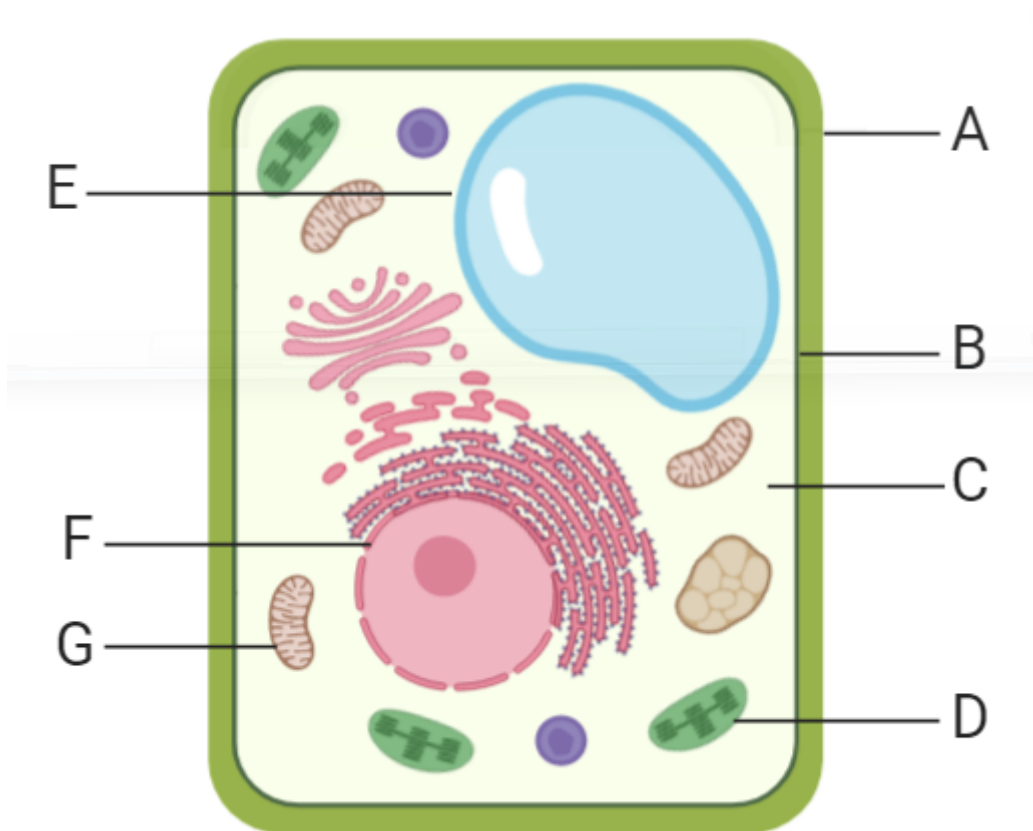
Question 19: Multiple Choice

4 marks

The chemical word equation for cell respiration is ...

- | | |
|----------|--|
| A | glucose + oxygen → energy + carbon dioxide + water |
| B | carbon dioxide + water → glucose + oxygen |
| C | glucose+ carbon dioxide +water→food + oxygen |
| D | carbon dioxide + energy → water + glucose+ oxygen |

This image refers to question: 20



Question 20: Please Fill In The Blanks

6 marks

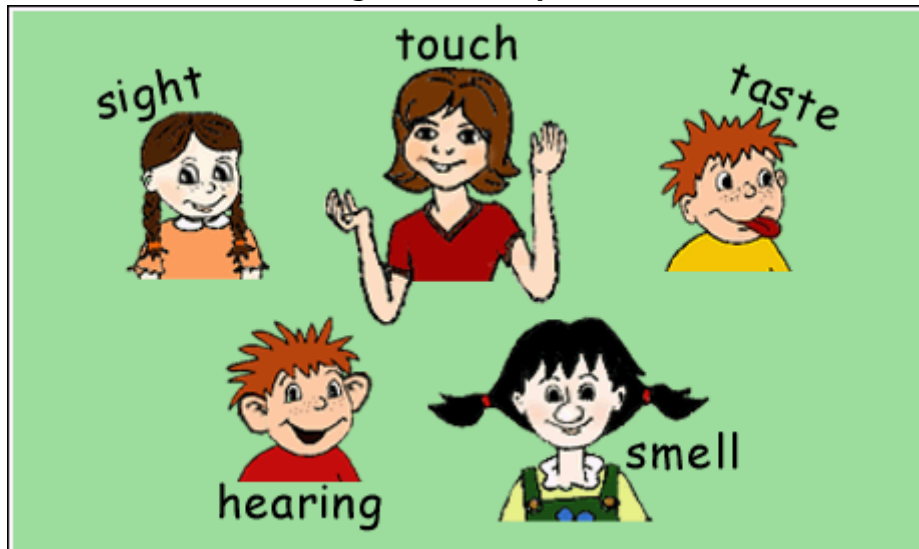
The organelle found in (1) cells, that is responsible for the production of glucose through (2) , is called the (3) .

Possible Answers: chlorophyll | chloroplast | plant | animal | photosynthesis | respiration

1	
3	

2	
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This image refers to question: 21



Question 21: Multiple Choice

4 marks

The **nerves** in our body receive **stimuli** from inside the body or from the environment **through our senses**. Our sensory organs are ...

- | | |
|----------|---------------------------------|
| A | eyes, nose, ears, skin, tongue. |
| B | hands, feet, kidneys, heart. |
| C | lungs, brain, stomach, liver. |
| D | heart, hands, feet, arms |

Question 22: True/False

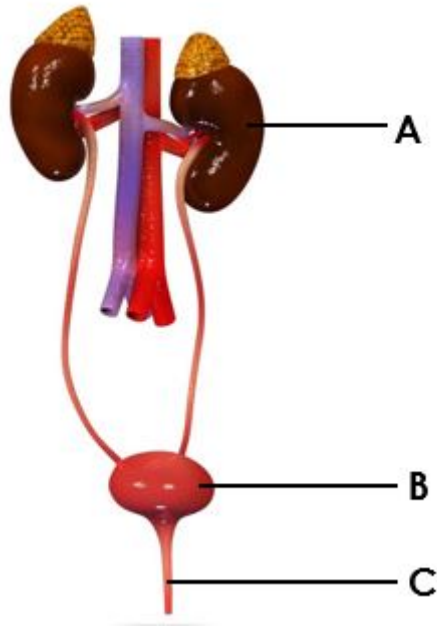
2 marks

The gall bladder stores bile until it is needed.

TRUE

FALSE

This image refers to question: 23



Question 23: Text Input

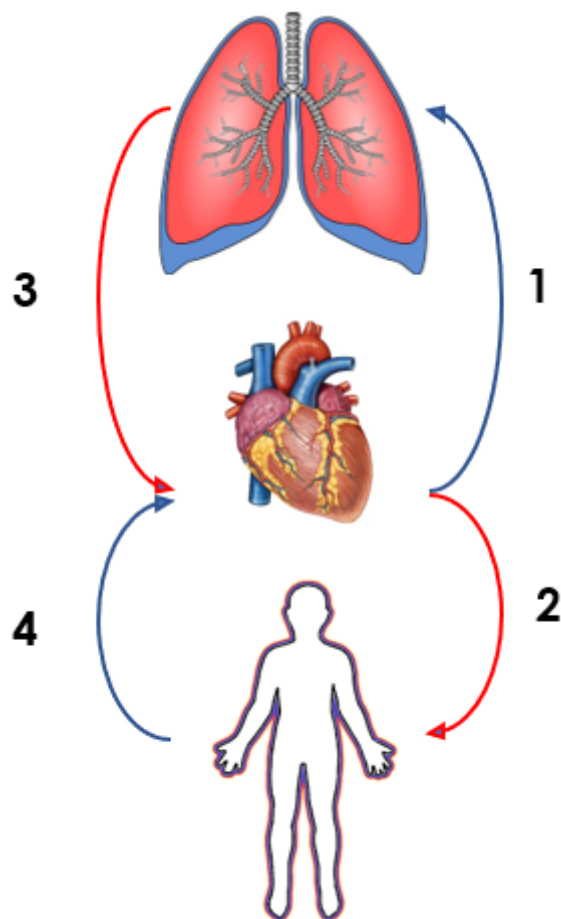
3 marks

The organs of the excretory system are responsible for removing harmful metabolic waste products from the blood so that they do not build up to high concentrations.

The organ labelled **A** is called the ...

Your answer should be **one word only**.

This image refers to question: 24



Question 24: Please Fill In The Blanks

6 marks

The circulatory system is responsible for transporting blood through the body. (1) blood flows via path 2 and path 3 from the (2) to the lungs and the rest of the body, and (3) blood flows via path 1 and path 4.

Possible Answers: heart | deoxygenated | oxygenated | arteries | veins

1	
3	

2	
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Question 25: True/False

3 marks

Puberty is brought on when the salivary gland releases specific hormones into the bloodstream.

TRUE	FALSE
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Total: 95 Marks