

**Bahagian A**

*Jawab semua soalan.*

- 1 Antara berikut, yang manakah unit asas bagi benda hidup?

*Which of the following is the basic unit of living things?*

- A Sistem System
- B Tisu Tissue
- C Organ Organ
- D Sel Cell

- 2 Antara pasangan berikut, yang manakah dipadankan dengan betul?

*Which of the following pairs is correctly matched?*

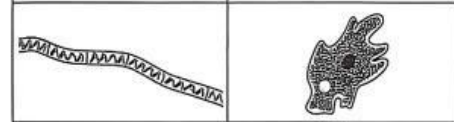
| Organisma unisel<br>Unicellular organism                                          | Organisma multisel<br>Multicellular organism                                      |
|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|
|  |  |

A

B



C

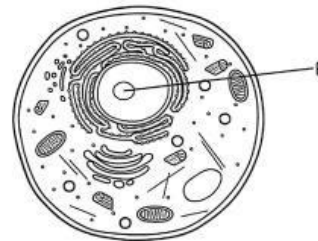


D



- 3 Rajah berikut menunjukkan suatu sel haiwan.

*The diagram shows an animal cell.*



Apakah fungsi P?

*What is the function of P?*

- A Mengawal pergerakan bahan keluar dan masuk ke dalam sel  
*Controls the movement of substances into and out of the cell*
- B Mengawal segala aktiviti sel  
*Controls all activities in the cell*
- C Mengekalkan kesegahan sel  
*Maintains the turgidity of the cell*
- D Memberikan sokongan dan mengekalkan bentuk sel  
*Provides support and maintains the shape of the cell*

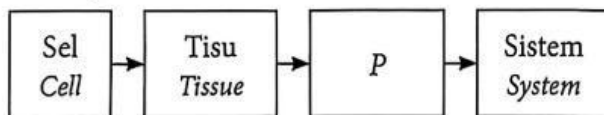
4 Antara berikut, yang manakah hanya terdapat dalam sel tumbuhan?

*Which of the following is found only in plant cells?*

- |                                   |                                        |
|-----------------------------------|----------------------------------------|
| A Nukleus<br><i>Nucleus</i>       | C Membrane sel<br><i>Cell membrane</i> |
| B Kloroplas<br><i>Chloroplast</i> | D Sitoplasma<br><i>Cytoplasm</i>       |

5 Rajah berikut menunjukkan urutan organisasi sel dalam organisma.

*The diagram shows the order of cell organisation in organisms.*



Apakah contoh yang diwakili oleh P dalam manusia?

*What is an example that is represented by P in humans?*

- |                                             |                           |
|---------------------------------------------|---------------------------|
| A Epitelium<br><i>Epithelium</i>            | C Jantung<br><i>Heart</i> |
| B Sel darah merah<br><i>Red blood cells</i> | D Otot<br><i>Muscles</i>  |

6 Rajah menunjukkan sejenis sel yang terdapat dalam badan manusia.

*The diagram shows a type of cell found in the human body.*



Apakah sistem yang terdiri daripada sel, ditunjukkan itu?

*What system is made up of the cells shown?*

- A Sistem otot *The muscular system*
- B Sistem respirasi *The respiratory system*
- C Sistem saraf *The nervous system*
- D Sistem endokrin *The endocrine system*

7 Rajah di bawah menunjukkan sel M, terdapat dalam darah.

*The diagram below shows cell M that is found in the blood.*

Apakah fungsi sel M?

*What is the function of cell M?*

- A Melindungi badan daripada jangkitan penyakit  
*Protects the body from infections*
- B Menyelaras dan mengawal aktiviti badan  
*Coordinates and controls body activities*
- C Mengangkut oksigen ke sel-sel yang lain  
*Transports oxygen to other cells*
- D Melapisi dan melindungi permukaan organ  
*Coats and protects organ surfaces*

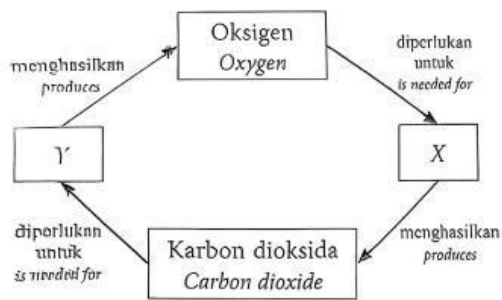
8 Semua organisma menjalankan suatu proses untuk menghasilkan tenaga. Apakah proses tersebut?

*All organisms carry out a process to produce energy. What is that process?*

- |                                         |                                            |
|-----------------------------------------|--------------------------------------------|
| A Fotosintesis<br><i>Photosynthesis</i> | C Respirasi sel<br><i>Cell respiration</i> |
| B Transpirasi<br><i>Transpiration</i>   | D Pembiakan<br><i>Reproduction</i>         |

9 Rajah menunjukkan dua proses yang berlaku dalam tumbuhan.

*The diagram shows two processes that occur in plants.*



Apakah X dan Y?  
What are X and Y?

|   | X                              | Y                              |
|---|--------------------------------|--------------------------------|
| A | Respirasi<br>Respiration       | Fotosintesis<br>Photosynthesis |
| B | Respirasi<br>Respiration       | Transpirasi<br>Transpiration   |
| C | Fotosintesis<br>Photosynthesis | Respirasi<br>Respiration       |
| D | Transpirasi<br>Transpiration   | Respirasi<br>Respiration       |

- 10 Antara berikut, yang manakah benar mengenai fotosintesis?  
Which of the following statements are true about photosynthesis?

- I Fotosintesis berlaku dalam kloroplas.  
*Photosynthesis occurs in chloroplasts.*
  - II Fotosintesis merupakan proses yang menyerap tenaga.  
*Photosynthesis is a process that absorbs energy.*
  - III Fotosintesis berlaku dalam semua sel tumbuhan yang hidup.  
*Photosynthesis occurs in all living plant cells.*
  - IV Fotosintesis membebaskan karbon dioksida.  
*Photosynthesis releases carbon dioxide.*
- A I dan II      C I dan III  
B II dan III      D I dan IV

- 11 Apakah yang mungkin berlaku sekiranya kegiatan pembalakan diteruskan di suatu kawasan?  
What might happen if logging activities continue in an area?
- A Suhu persekitaran menurun  
*The surrounding temperature decreases*
  - B Suhu persekitaran meningkat  
*The surrounding temperature rises*
  - C Kandungan karbon dioksida dalam atmosfera menurun  
*The carbon dioxide content in the atmosphere decreases*
  - D Kandungan oksigen dalam atmosfera meningkat  
*The content of oxygen in the atmosphere increases*