Bahagian A

Jawab **semua** *soalan.*

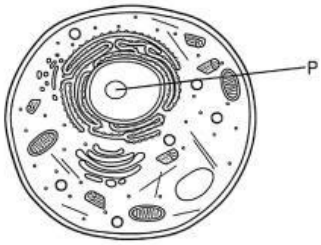
1 Antara berikut, yang manakah unit asas bagi benda hidup?
Which of the following is the basic unit of living things?

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 *Unicellular organism*	Organisma multisel *Multicellular organism*
A		
B		
C		
D		

3 Rajah berikut menunjukkan suatu sel haiwan.
The diagram shows an animal cell.



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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?

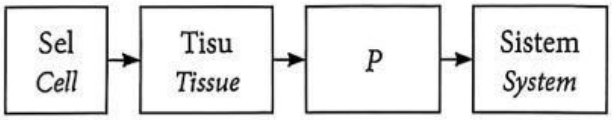
A Nukleus
Nucleus

B Kloroplas
Chloroplast

C Membrane sel
Cell membrane

D Sitoplasma
Cytoplasm

5 KBAT 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?

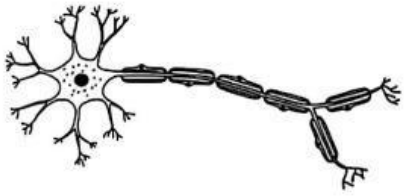
A Epitelium
Epithelium

B Sel darah merah
Red blood cells

C Jantung
Heart

D Otot
Muscles

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* yang 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
Photosynthesis

B Transpirasi
Transpiration

C Respirasi sel
Cell respiration

D Pembiakan
Reproduction

9 Rajah menunjukkan dua proses yang berlaku dalam tumbuhan.
The diagram shows two processes that occur in plants.

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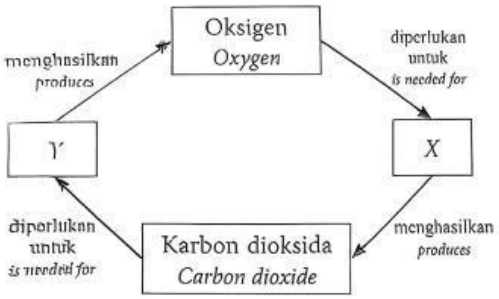

Apakah X dan Y?
What are X and Y?

	X	Y
A	Respirasi *Respiration*	Fotosintesis *Photosynthesis*
B	Respirasi *Respiration*	Transpirasi *Transpiration*
C	Fotosintesis *Photosynthesis*	Respirasi *Respiration*
D	Transpirasi *Transpiration*	Respirasi *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 *and* II
B II dan *and* III
C I dan *and* III
D I dan *and* 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

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