

- 2 Which of the following cells has a high number of rough endoplasmic reticulum?
 Antara berikut, sel yang manakah mempunyai bilangan jalinan endoplasma kasar yang sangat tinggi?
- A Cheek cells
Sel pipi
- B Pancreas cells
Sel pankreas
- C Muscle cells
Sel otot
- D Nerve cells
Sel saraf
- 3 The diagram 2 shows the condition of a plant cell immersed in 30% sucrose solution for an hour.
 Rajah 2 menunjukkan keadaan sel tumbuhan yang telah direndam di dalam larutan sukrosa 30% selama satu jam.

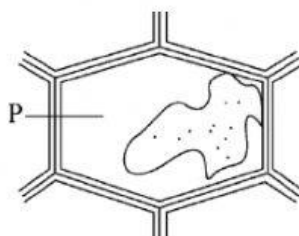


Diagram 2

Rajah 2

What is contained in P?

Apakah yang terkandung di dalam P?

- | | |
|--|----------------------------------|
| A Distilled water
<i>Air suling</i> | B Cell sap
<i>Sel sap</i> |
| C Sucrose solution
<i>Larutan sukrosa</i> | D Cytoplasm
<i>Sitoplasma</i> |
- 4 The diagram 3 shows a phospholipid molecule.
 Rajah 3 menunjukkan molekul fosfolipid.

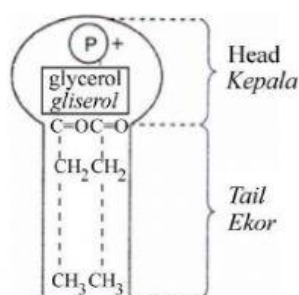


Diagram 3

Rajah 3

Which character of molecule is allowed to pass through the tail end of the phospholipid molecule easily ?

Ciri molekul yang manakah dibenarkan melalui bahagian hujung ekor molekul fosfolipid itu dengan mudah?

- A** Hydrophobic
 Hidrofobik
C *Charged*
 Tercas

- B** Hydrophillic
 Hidrofilik
D Small
 Kecil

- 5 The diagram 4 shows a plant strip immersed in solution X for 30 minutes.
Rajah 4 menunjukkan satu jalur tumbuhan direndam di dalam larutan X selama 30 minit.

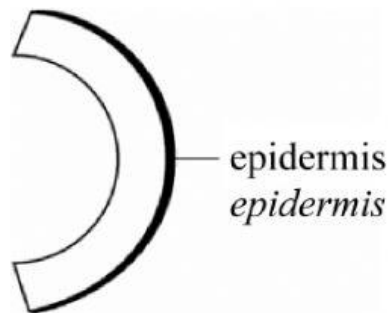


Diagram 4
Rajah 4

What is solution X?
Apakah larutan X?

- A Sucrose solution 5%
Larutan sukrosa 5%
 - B Sucrose solution 30%
Larutan sukrosa 30%
 - C Salt solution 1%
Larutan garam 1%
 - D Distilled water
Air suling
- 6 What are the elements that made up protein ?
Apakah unsur-unsur yang membentuk protein ?
- A Carbon, Hydrogen And Oxygen
Karbon, Hidrogen Dan Oksigen
 - B Carbon, Hydrogen, Oxygen And Nitrogen
Karbon, Hidrogen, Oksigen Dan Nitrogen
 - C Carbon, Oxygen And Nitrogen
Karbon, Oksigen Dan Nitrogen
 - D Nitrogen And Hydrogen
Nitrogen Dan Hidrogen

- 7 In the production of leather goods, what enzyme is used to remove the fur from the skin of animals?

Di dalam penghasilan barang-barang kulit, enzim apakah yang digunakan untuk menyingkirkan bulu daripada kulit binatang?

- A Amylase
Amilase
- B Lipase
Lipase
- C Protease
Protease
- D Cellulase
Selulase

8. Which process will broken down the excess amino acids in the body ?

Apakah proses yang akan menguraikan asid amino yang berlebihan di dalam badan ?

- A Hydrolysis
Hidrolisis
- B Reduction
Pengurangan
- C Deamination
Deaminasi
- D Decomposition
Penguraian

- 9 Cellulose is required to form a substance P and lipid to form a substance Q. What are P and Q?

Selulosa diperlukan untuk membentuk satu bahan P dan lemak untuk membentuk satu bahan Q. apakah bahan P dan Q?

	P <i>P</i>	Q <i>Q</i>
A	Cell wall <i>Dinding sel</i>	Plasma membrane <i>Membran plasma</i>
B	Protoplasm <i>Protoplasma</i>	Plasma membrane <i>Membran plasma</i>
C	Cell wall <i>Dinding sel</i>	Protoplasm <i>Protoplasma</i>
D	Protoplasm <i>Protoplasma</i>	Cell wall <i>Dinding sel</i>

10. *Diagram 5 shows an animal cell undergoing mitotic cell division.*
Rajah 5 menunjukkan sel haiwan sedang menjalani pembahagian sel secara mitosis.

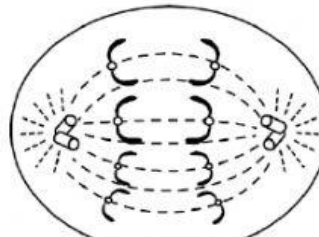


Diagram 5

Rajah 5

What is the stage of the mitotic cell division?

Apakah peringkat pembahagian sel secara mitosis itu?

- | | |
|---------------------------------------|---------------------------------------|
| A <i>Prophase</i>
Profasa | B <i>Anaphase</i>
Anafasa |
| C <i>Metaphase</i>
Metafasa | D <i>Telophase</i>
Telofasa |
11. *Diagram shows a process occur in Prophase I. Which of the following occurs during the process?*
Rajah menunjukkan proses yang berlaku di dalam Profasa I. Antara berikut, yang manakah berlaku semasa proses ini?

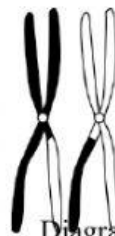


Diagram 6

Rajah 6

- | | |
|--|--|
| A <i>Cytokinesis</i>
Sitokinesis | B <i>Chiasmata</i>
Kiasmata |
| C <i>Crossing over</i>
Pindah silang | D <i>Crossing genetic</i>
Pindah genetik |