

Arahan: Jawab semua soalan.

Instruction: Answer all questions.

- 1 Antara alatan berikut, yang manakah paling sesuai untuk mengukur diameter sebuah glob?

Which of the following is the most suitable tool to measure the diameter of a globe?

A



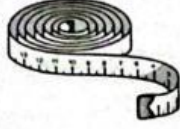
B



C

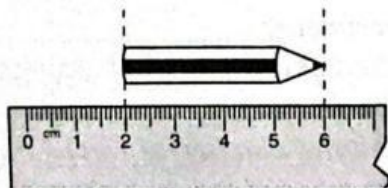


D



- 2 Berapakah panjang pensel dalam rajah di bawah?

What is the length of the pencil in the diagram below?



A 6 cm

B 5 cm

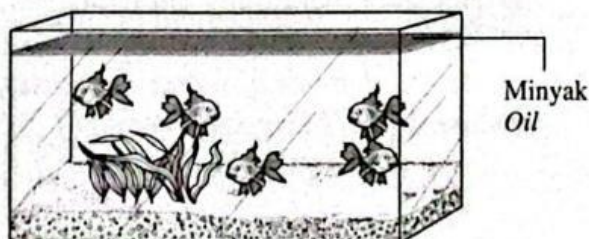
C 4 cm

D 7 cm

- 3 Rajah di bawah menunjukkan beberapa ekor ikan di dalam sebuah akuarium. Selepas beberapa hari, ikan-ikan tersebut mati.

KBAT

The diagram below shows several fish in an aquarium. After a few days, all the fish die.



Apakah inferens yang boleh dibuat daripada pemerhatian tersebut?

What is the inference that can be made from the observation?

A Terdapat lapisan minyak pada permukaan air

There is a layer of oil on the surface of the water

B Ikan-ikan tidak mendapat makanan yang secukupnya

The fish do not get enough food

C Ikan-ikan tidak mendapat udara yang secukupnya

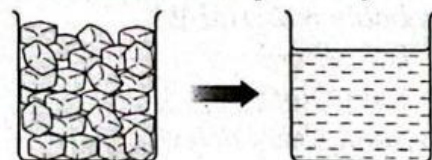
The fish do not get enough air

D Ikan-ikan tidak mendapat cahaya matahari

The fish do not get sunlight

- 4 Rajah di bawah menunjukkan penyiasatan yang dijalankan tentang perubahan keadaan jirim air dalam suatu tempoh yang ditetapkan.

The diagram below shows an experiment conducted on the changes of the state of matter of water in a determined period of time.



Apakah pemboleh ubah dimanipulasikan yang terlibat dalam penyiasatan ini?

What is the manipulated variable involved in this experiment?

A Masa/Time

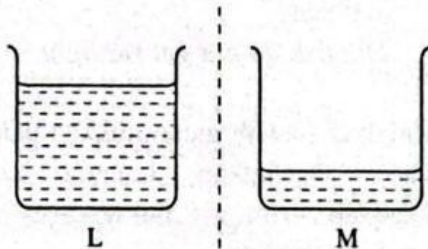
B Saiz ais/Size of ice

C Bentuk ais/Shape of ice

D Suhu/Temperature

- 5 Seorang murid menjalankan penyiasatan tentang pemanasan air. Termometer menunjukkan suhu 100°C pada minit ke-8. Ramalkan suhu air pada minit ke-10. *A student carries out a study on the heating of water. The thermometer shows a temperature of 100°C at the 8th minute. Predict the water temperature at the 10th minute.*
- A 110°C
 B 120°C
 C 90°C
 D 100°C

- 6 Satu penyiasatan tentang kadar penyerapan bahan telah dijalankan. Rajah di bawah menunjukkan isi padu air yang tinggal selepas bahan A dan bahan B dikeluarkan masing-masing daripada bekas L dan bekas M. *An experiment on the rate of absorption of a material was conducted. The diagram below shows the volume of water left after material A and material B were taken out of beaker L and beaker M respectively.*



Antara yang berikut, yang manakah mungkin adalah bahan B?

Which of the following materials is probably material B?

- A Buku/Book
 B Kain/Cloth
 C Surat khabar/Newspaper
 D Span/Sponge
- 7 Rina menjalankan satu penyiasatan mengenai pertumbuhan tumbuhan. Dia merekodkan bilangan daun tumbuhannya pada setiap minggu. *Rina carried out an experiment on the growth of a plant. She recorded the number of leaves of the plant every week.*

Apakah definisi secara operasi bagi pertumbuhan pokok tersebut?

What is the operational definition of the growth of the plant?

- A Pertambahan ketinggian pokok
Increase in the height of the plant
 B Pertambahan bilangan daun
Increase in the number of leaves
 C Pertambahan saiz pokok
Increase in the size of the plant
 D Pertambahan bilangan tumbuhan
Increase in the number of plants

- 8 Jadual di bawah menunjukkan keputusan bagi satu penyiasatan.

The table below shows the result of an experiment.

Minggu Week	1	2	3	4	5
Bilangan daun Number of leaves	3	6	9	12	15

Apakah kesimpulan daripada penyiasatan ini?

What is the conclusion from this experiment?

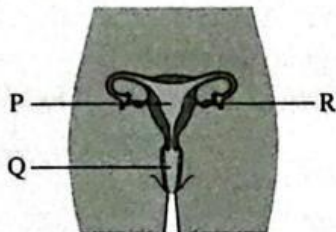
- A Semakin bertambah minggu, semakin bertambah bilangan daun
As the number of weeks increases, the number of leaves increases
 B Semakin berkurang minggu, semakin bertambah bilangan daun
As the number of weeks decreases, the number of leaves increases
 C Semakin bertambah minggu, semakin berkurang bilangan daun
As the number of weeks increases, the number of leaves decreases
 D Semakin berkurang minggu, semakin berkurang bilangan daun
As the number of weeks decreases, the number of leaves decreases

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- 1 Rajah di bawah menunjukkan organ pembiakan perempuan.

The diagram below shows the female reproductive organs.



Apakah organ P?

What is organ P?

- A Uterus/Uterus B Testis/Testis
C Faraj/Vagina D Ovari/Ovary

- 2 Apakah fungsi faraj dalam sistem pembiakan perempuan?

What is the function of the vagina in the female reproductive system?

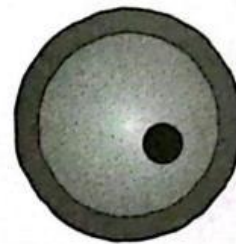
- A Menghasilkan sperma
Produces sperm
B Menghasilkan ovum
Produces ova
C Menerima sperma daripada zakar
Receives sperms from the penis
D Tempat embrio berkembang
The site where the embryo develops

- 3 Apakah fungsi testis?

What is the function of the testis?

- A Menghasilkan sperma
Produces sperms
B Menghasilkan ovum
Produces ova
C Menerima sperma daripada zakar
Receives sperms from the penis
D Tempat embrio berkembang
Place where the embryo develops

- 4 Rajah di bawah menunjukkan satu sel telur.
The diagram below shows an egg cell.



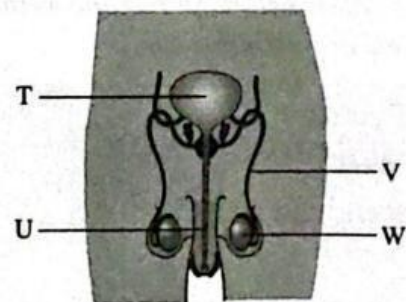
Antara organ berikut, yang manakah menghasilkan sel dalam rajah di atas?

Which of the following organs produces the cell in the diagram above?

- A Faraj B Ovari
Vagina Ovary
C Uterus D Tiub Fallopio
Uterus Fallopian tube

- 5 Rajah di bawah menunjukkan organ pembiakan lelaki.

The diagram below shows the male reproductive organs.

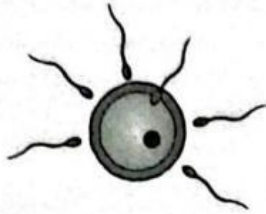


Antara yang berikut, yang manakah mewakili testis?

Which of the following represents the testis?

- A T
B U
C V
D W

- 6 Kaji rajah di bawah.
Study the following diagram.

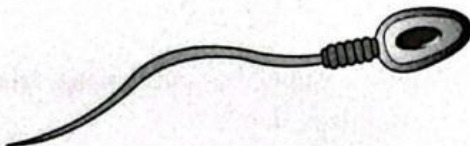


Antara pernyataan berikut, yang manakah benar tentang proses yang berlaku di atas?
Which of the following statements is true about the process above?

- A Berlaku di dalam uterus
Occurs in the uterus
- B Berlaku di tiub Fallopio
Occurs in the Fallopian tube
- C Berlaku di dalam ovari
Occurs in the ovary
- D Berlaku di dalam faraj
Occurs in the vagina

- 7 Rajah di bawah menunjukkan satu sel yang ditemui di dalam organ pembiakan lelaki.

The diagram below shows a cell that is found in the male reproductive organ.



Antara yang berikut, yang manakah benar tentang sel dalam rajah di atas?

Which of the following is true about the cell in the diagram above?

- A Merupakan sel yang tidak bergerak
Is a cell that does not move
- B Dihasilkan oleh ovari pada setiap bulan
It is produced by the ovaries every month
- C Bergabung dengan ovum untuk membentuk zigot
Fused with an ovum to form a zygote
- D Dibebaskan ke dalam uterus oleh tiub Fallopio
Is released into the uterus by the Fallopian tube

- 8 Kaji rajah di bawah.
Study the diagram below.

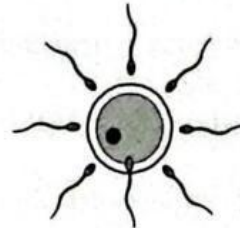
I



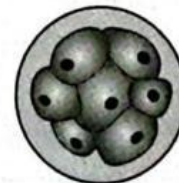
II



III



IV



Susun peringkat-peringkat perkembangan fetus selepas proses persenyawaan.

Arrange the stages of development of a foetus after fertilisation.

- A I, II, III, IV
- B I, IV, III, II
- C I, IV, II, III
- D III, IV, II, I

- 9 Antara yang berikut, yang manakah urutan yang betul bermula daripada selepas proses persenyawaan?

Which of the following is the correct sequence beginning from after the fertilisation process?

- A Zigot – Fetus – Embrio – Bayi
Zygote – Foetus – Embryo – Baby
- B Zigot – Embrio – Fetus – Bayi
Zygote – Embryo – Foetus – Baby
- C Zigot – Bayi – Fetus – Embrio
Zygote – Baby – Foetus – Embryo
- D Zigot – Bayi – Embrio – Fetus
Zygote – Baby – Embryo – Foetus

- 10 Antara yang berikut, yang manakah merupakan dua jenis sistem saraf dalam manusia?

Which of the following are the two types of nervous systems in humans?

A Sistem saraf manusia dan sistem saraf pusat

Human nervous system and central nervous system

B Sistem saraf pusat dan sistem saraf tunjang

Central nervous system and spinal nervous system

C Sistem saraf manusia dan sistem saraf periferi

Human nervous system and peripheral nervous system

D Sistem saraf pusat dan sistem saraf periferi

Central nervous system and peripheral nervous system

- 11 Baca maklumat berikut.

Read the following information.

Sistem saraf pusat terdiri daripada P dan Q.
The central nervous system consists of P and Q.

Apakah P dan Q?

What are P and Q?

	P	Q
A	Neuron <i>Neuron</i>	Otak <i>Brain</i>
B	Otak <i>Brain</i>	Rangkaian saraf <i>Neural network</i>
C	Otak <i>Brain</i>	Saraf tunjang <i>Spinal cord</i>
D	Saraf tunjang <i>Spinal cord</i>	Neuron <i>Neuron</i>

- 12 Antara yang berikut, yang manakah adalah unit asas sistem saraf?

Which of the following is the basic unit of the nervous system?

A Saraf tunjang/*Spinal cord*

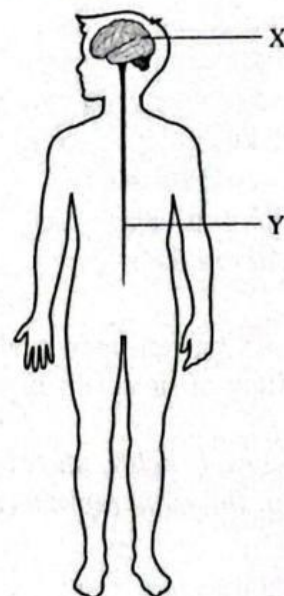
B Otak/*Brain*

C Neuron/*Neuron*

D Rangkaian saraf/*Neural network*

- 13 Rajah di bawah menunjukkan sebahagian daripada sistem saraf manusia.

The diagram below shows a part of the human nervous system.



Antara yang berikut, yang manakah mewakili X dan Y?

Which of the following represent X and Y?

	X	Y
A	Otak <i>Brain</i>	Rangkaian saraf <i>Neural network</i>
B	Otak <i>Brain</i>	Saraf periferi <i>Peripheral nervous system</i>
C	Otak <i>Brain</i>	Saraf tunjang <i>Spinal cord</i>
D	Saraf tunjang <i>Spinal cord</i>	Saraf periferi <i>Peripheral nervous system</i>