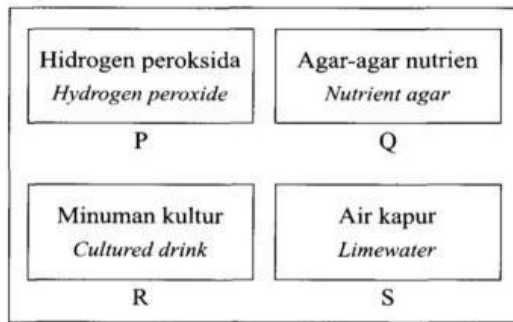


- 1 Rajah 1 menunjukkan bahan sisa bagi suatu eksperimen.  
Diagram 1 shows the waste substances of an experiment.



Rajah 1  
Diagram 1

Antara padanan berikut, yang manakah betul?  
Which of the following pairs are correct?

|   | Bahan yang boleh<br>dibuang ke dalam<br>singki<br><i>Substances that can<br/>be disposed of into<br/>the sink</i> | Bahan yang tidak<br>boleh dibuang ke<br>dalam singki<br><i>Substances that<br/>cannot be disposed<br/>of into the sink</i> |
|---|-------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------|
| A | R, S                                                                                                              | P, Q                                                                                                                       |
| B | P, R                                                                                                              | Q, S                                                                                                                       |
| C | Q, S                                                                                                              | P, R                                                                                                                       |
| D | Q, R                                                                                                              | P, S                                                                                                                       |

- 2 Rajah 2 menunjukkan sejenis alat pemadam kebakaran.  
Diagram 2 shows a type of fire extinguisher.



Rajah 2  
Diagram 2

Antara yang berikut, bahan yang manakah sesuai dipadamkan oleh pemadam api tersebut?  
Which of the following substances is suitable to be extinguished by the fire extinguisher?

- |                        |                                                      |
|------------------------|------------------------------------------------------|
| A Cat<br><i>Paint</i>  | C Minyak masak<br><i>Cooking oil</i>                 |
| B Kain<br><i>Cloth</i> | D Peralatan elektrik<br><i>Electrical appliances</i> |

- 3 Semasa melakukan teknik *Heimlich Manoeuvre*, bahagian di antara pusat dengan bawah rusuk perlu ditekan dan disentak ke atas dengan kuat dan cepat.

Mengapakah tindakan itu dilakukan?

*While performing Heimlich Manoeuvre, the area between the navel and below the ribs need to be pressed and jerked upwards with quick force.*

Why is that action taken?

- |                                                                                                                     |                                                                                             |
|---------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------|
| A Meningkatkan daya pernafasan pada salur pernafasan<br><i>To increase breathing force in the respiratory tract</i> | C Meningkatkan tekanan di dalam peparu<br><i>To increase pressure in the lungs</i>          |
| B Meningkatkan diameter salur pernafasan<br><i>To increase the diameter of the respiratory tract</i>                | D Meningkatkan isi padu udara di dalam peparu<br><i>To increase air volume in the lungs</i> |

- 4 Ali dan ayahnya sedang menonton televisyen di rumah. Tiba-tiba, ayahnya terkena serangan jantung lalu pengsan dan tidak dapat bernafas.

Ali telah melakukan Resusitasi Kardiopulmonari (CPR) kepada ayahnya sehingga ayahnya boleh bernafas semula tetapi dia masih belum sedar.

Apakah yang perlu dilakukan oleh Ali?

*Ali and his father are watching television at home. Suddenly, his father had a heart attack, fainted and could not breathe.*

*Ali has performed Cardiopulmonary Resuscitation (CPR) on his father until he can breathe again but he is still unconscious.*

What does Ali need to do?

- |                                                                                                                 |                                                                                                                        |
|-----------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------|
| A Lakukan tekanan dada sehingga ayahnya sedar<br><i>Perform chest compression until his father is conscious</i> | C Dongakkan kepala ayahnya ke belakang dan angkat dagunya<br><i>Tilt his father's head back and lift his chin</i>      |
| B Ubah kedudukan badan ayahnya kepada keadaan mengiring<br><i>Change his father's body position on his side</i> | D Bangun dan condongkan badan ayahnya sedikit ke depan<br><i>Rise and lean his father's body slightly to the front</i> |

- 5 Rajah 3 menunjukkan bacaan tekanan darah bagi seorang pesakit.  
Diagram 3 shows a blood pressure reading of a patient.

150 / 95 mmHg

Rajah 3  
Diagram 3

Apakah yang akan berlaku pada pesakit itu jika bacaan tersebut kekal berterusan?

What will happen to the patient if the reading continues constantly?

- A Hipertensi  
Hypertension
- B Keracunan darah  
Blood poisoning
- C Kegagalan dalam sistem pernafasan  
Failure in respiratory system
- D Kekurangan oksigen dalam darah  
Lack of oxygen in blood

- 6 Ariana mempunyai ketinggian 1.54 m dan berjisim 55 kg.  
Ariana has a height of 1.54 m and mass of 55 kg.

Apakah kategori Indeks Jisim Badan (BMI) Ariana?

What is the category of Ariana's Body Mass Index?

$$\left[ \text{BMI} = \frac{\text{Jisim badan (kg)}}{(\text{Ketinggian})^2 (\text{m}^2)} \right]$$

$$\left[ \text{BMI} = \frac{\text{Body mass (kg)}}{(\text{Height})^2 (\text{m}^2)} \right]$$

|   | BMI         | Kategori<br>Category                   |
|---|-------------|----------------------------------------|
| A | < 18.5      | Kurang jisim badan<br>Underweight      |
| B | 18.5 – 24.9 | Jisim badan unggul<br>Desirable weight |
| C | 25.0 – 29.9 | Berlebihan jisim badan<br>Overweight   |
| D | ≥ 30.0      | Obes<br>Obese                          |

- 7 Maklumat berikut menunjukkan kesan-kesan aktiviti manusia.  
The following information shows the effects of human activities.

- Kemusnahan habitat  
Habitat destruction
- Hakisan tanah  
Soil erosion
- Banjir kilat  
Flash flood

Antara yang berikut, yang manakah punca kejadian di atas?

Which of the following is the cause of the situations above?

- A Perlombongan  
Mining
- B Penyahhutan  
Deforestation
- C Pembuangan sisa  
Waste disposal
- D Pembakaran terbuka  
Open burning

- 8 Apakah kromosom bagi anak apabila satu ovum disenyawakan dengan sperma yang membawa kromosom 22 + X?

What is the chromosome of a child when an ovum is fertilised by sperm which carries 22 + X chromosome?

- A 22 + X
- B 22 + Y
- C 44 + XX
- D 44 + XY

- 9 Antara yang berikut, yang manakah disebabkan oleh mutasi kromosom?

Which of the following is caused by chromosome mutation?

- A Albinisme  
Albinism
- B Hemofilia  
Haemophilia
- C Anemia sel sabit  
Sickle cell anaemia
- D Sindrom Turner  
Turner syndrome

- 10 Maklumat berikut menunjukkan Amir yang mempunyai lesung pipit, berkahwin dengan Amira yang tidak mempunyai lesung pipit.  
The following information shows that Amir who has dimples married to Amira who does not have dimples.

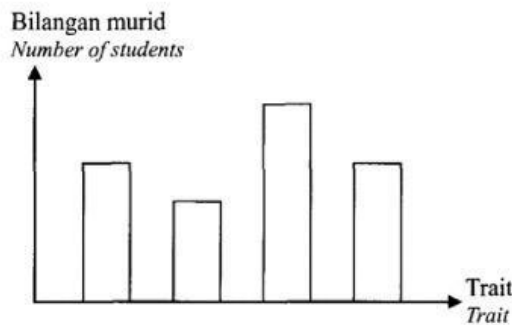
Induk : Dd × dd  
Parent : Dd × dd

Apakah nisbah bilangan anak yang mempunyai lesung pipit kepada bilangan anak yang tidak mempunyai lesung pipit?

What is the ratio of the number of children having dimples to the number of children who do not have dimples?

- A 1:1
- B 2:1
- C 3:1
- D 1:3

- 11 Rajah 4 menunjukkan satu carta palang yang mewakili sejenis variasi.  
Diagram 4 shows a bar chart representing a type of variation.



Rajah 4  
Diagram 4

Trait manakah yang diwakili oleh Rajah 4?  
Which trait is represented by Diagram 4?

- A Ketinggian  
Height
- B Berat badan  
Body weight
- C Jenis cap jari  
Type of fingerprint
- D Saiz tapak kaki  
Size of sole of the feet

- 12 Rajah 5 menunjukkan suatu keratan rentas sendi.  
Diagram 5 shows a cross-section of a joint.

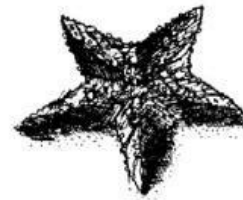


Rajah 5  
Diagram 5

Apakah fungsi bahagian yang berlabel X?  
What is the function of the part labelled X?

- A Mengurangkan geseran  
Reduces friction
- B Bertindak sebagai pelincir  
Acts as a lubricant
- C Membekalkan nutrien  
Provides nutrients
- D Memindahkan daya pengecutan otot  
Transfers muscle contraction force

- 13 Rajah 6 menunjukkan sejenis haiwan.  
Diagram 6 shows a type of animal.



Rajah 6  
Diagram 6

Antara pernyataan berikut, yang manakah betul tentang haiwan tersebut?

Which of the following statements is correct about the animal?

- A Mempunyai rangka dalam  
Has an internal skeleton
- B Mempunyai rangka hidrostatik  
Has hydrostatic skeleton
- C Lengkung pertumbuhannya adalah berperingkat  
Its growth curve is in stages
- D Badannya terdiri daripada lapisan kitin  
The body is made up of chitin layer

- 14 Kelenjar endokrin yang manakah mengawal aras gula dalam darah?  
*Which endocrine gland controls the sugar level in blood?*

A Pankreas  
*Pancreas*  
B Adrenal  
*Adrenal*  
C Tiroid  
*Thyroid*  
D Ovari  
*Ovary*

- 15 Apakah kesan pengambilan alkohol secara berlebihan terhadap koordinasi badan?  
*What is the effect of excessive consumption of alcohol on body coordination?*

A Mempercepatkan penuaan  
*Rapid aging*  
B Mengalami kerosakan otak  
*Experiencing brain damage*

- C Menyebabkan penyakit jantung  
*Causes heart disease*  
D Menyebabkan penghantaran impuls menjadi lambat  
*Causes impulse transmission to be slow*

- 16 Jirim terdiri daripada zarah-zarah yang halus dan diskrit.

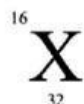
Apakah tiga jenis zarah yang membina jirim?

*Matter consists of tiny and discrete particles.*

*What are the three types of particles that form a matter?*

A Atom, molekul dan ion  
*Atom, molecule and ion*  
B Molekul, proton dan neutron  
*Molecule, proton and neutron*  
C Proton, neutron dan elektron  
*Proton, neutron and electron*  
D Elektron, ion dan atom  
*Electron, ion and atom*

- 17 Rajah 7 menunjukkan satu unsur dalam Jadual Berkala Unsur Moden.  
*Diagram 7 shows an element in the Modern Periodic Table of Elements.*



Rajah 7  
Diagram 7

Kedudukan yang manakah dalam Jadual Berkala Unsur Moden adalah betul bagi unsur yang ditunjukkan dalam Rajah 7?

*Which is the correct location in the Modern Periodic Table of Elements for the element shown in Diagram 7?*

|   |   |  |  |  |  |  |  |  |  |  |  |  |  |  |    |    |    |    |    |    |
|---|---|--|--|--|--|--|--|--|--|--|--|--|--|--|----|----|----|----|----|----|
| 1 | 2 |  |  |  |  |  |  |  |  |  |  |  |  |  | 13 | 14 | 15 | 16 | 17 | 18 |
|   |   |  |  |  |  |  |  |  |  |  |  |  |  |  |    |    |    |    |    |    |
| A |   |  |  |  |  |  |  |  |  |  |  |  |  |  |    | B  |    |    |    |    |
|   |   |  |  |  |  |  |  |  |  |  |  |  |  |  | C  |    |    | D  |    |    |
|   |   |  |  |  |  |  |  |  |  |  |  |  |  |  |    |    |    |    |    |    |
|   |   |  |  |  |  |  |  |  |  |  |  |  |  |  |    |    |    |    |    |    |
|   |   |  |  |  |  |  |  |  |  |  |  |  |  |  |    |    |    |    |    |    |
|   |   |  |  |  |  |  |  |  |  |  |  |  |  |  |    |    |    |    |    |    |

- 18 Antara isotop yang berikut, yang manakah digunakan untuk mengkaji kadar penyerapan baja dalam tumbuhan?

*Which of the following isotopes is used to study the rate of absorption of fertiliser in plants?*

- A Iodin-131  
*Iodine-131*
- B Natrium-24  
*Sodium-24*
- C Fosforus-32  
*Phosphorus-32*
- D Karbon-14  
*Carbon-14*

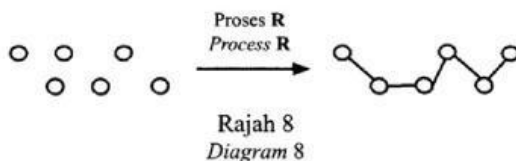
- 19 Antara yang berikut, yang manakah adalah ciri piuter yang menjadikannya sesuai untuk dibuat bahan hiasan?

*Which of the following is a characteristic of pewter that makes it suitable to be made as decorative items?*

- |                          |                            |
|--------------------------|----------------------------|
| A Kuat<br><i>Strong</i>  | C Berkilat<br><i>Shiny</i> |
| B Ringan<br><i>Light</i> | D Keras<br><i>Hard</i>     |

- 20 Rajah 8 menunjukkan suatu proses untuk menghasilkan bahan polimer.

*Diagram 8 shows a process to produce polymer substance.*



Apakah proses R?

*What is process R?*

- A Pengoksidaan  
*Oxidation*
- B Peneutralan  
*Neutralisation*
- C Pempolimeran  
*Polymerisation*
- D Penyahpolimeran  
*Depolymerisation*

- 21 Tayar kereta yang diperbuat daripada getah asli didapati lebih lembut dan mudah melekit pada cuaca panas. Masalah ini dapat diatasi dengan memanaskan getah asli bersama bahan P.

*Car tyre made from natural rubber becomes soft and sticky during hot weather. This problem can be solved by heating natural rubber with substance P.*

Apakah P?

*What is P?*

- A Karbon  
*Carbon*
- B Naftalena  
*Naphthalene*
- C Sulfur  
*Sulphur*
- D Alkohol  
*Alcohol*

- 22 Apakah maklumat yang boleh diperoleh daripada luas di bawah graf halaju-masa?

*What is the information that can be obtained from the area under velocity-time graph?*

- A Pecutan  
*Acceleration*
- B Halaju  
*Velocity*
- C Laju  
*Speed*
- D Sesaran  
*Displacement*

- 23 Sebiji durian jatuh dari pokoknya. Buah durian itu mengambil masa 2 saat untuk sampai ke tanah. Berapakah halaju akhir buah tersebut sekiranya pecutan graviti ialah  $9.8 \text{ m s}^{-2}$ ?

*A durian falls from its tree. It takes 2 seconds to reach the ground.*

*What is the final velocity of the fruit if the gravitational acceleration is  $9.8 \text{ m s}^{-2}$ ?*

$$\left[ \text{Pecutan graviti} = \frac{\text{Halaju akhir} - \text{Halaju awal}}{\text{Masa}} \right]$$

$$\left[ \text{Gravitational acceleration} = \frac{\text{Final velocity} - \text{Initial velocity}}{\text{Time}} \right]$$

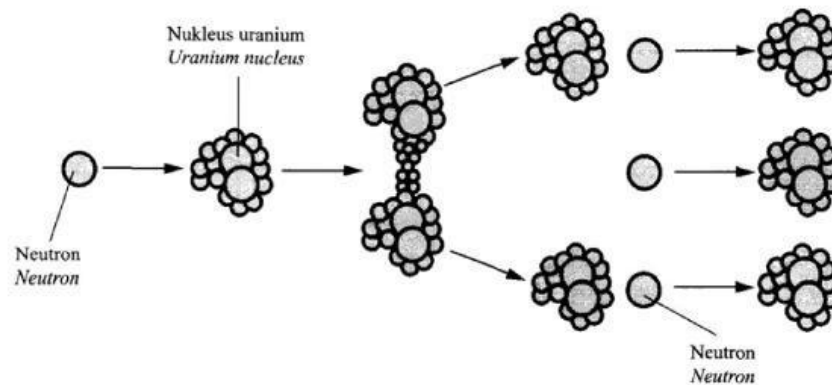
- A  $4.9 \text{ m s}^{-1}$
- B  $9.8 \text{ m s}^{-1}$
- C  $11.8 \text{ m s}^{-1}$
- D  $19.6 \text{ m s}^{-1}$

- 24 Antara yang berikut, yang manakah menunjukkan kesan inersia dalam kehidupan harian?

*Which of the following shows the inertia effect in daily life?*

- A Memutarkan payung basah untuk mengeringkannya  
*Spinning wet umbrella to dry it*
- B Kapal terbang mempunyai sayap berbentuk aerofoil  
*Aeroplane has aerofoil shaped wings*
- C Bumbung rumah terangkat semasa ribut  
*The house roof is lifted during a storm*
- D Pergerakan kapal layar di lautan  
*The movement of a sailing ship in the ocean*

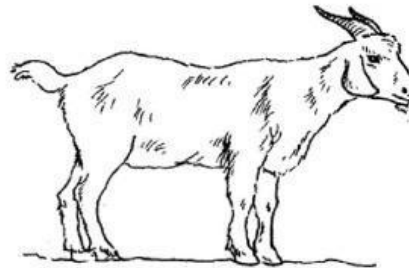
- 25 Rajah 9 menunjukkan suatu proses yang berlaku dalam reaktor nuklear.  
*Diagram 9 shows a process that happens in nuclear reactor.*



Rajah 9  
*Diagram 9*

Apakah proses tersebut?  
*What is the process?*

- A Pelakuran nukleus  
*Nuclear fusion*
  - B Pembelahan nukleus  
*Nuclear fission*
  - C Pereputan radioaktif  
*Radioactive decay*
  - D Pembedilan nukleus  
*Nuclear bombardment*
- 26 Rajah 10 menunjukkan sejenis haiwan.  
*Diagram 10 shows a type of animal.*



Rajah 10  
*Diagram 10*

Apakah mikroorganisma yang membantu dalam sistem penghadamannya?  
*What is the microorganism that helps in its digestive system?*

- A Bakteria  
*Bacteria*
- B Kulat  
*Fungi*
- C Alga  
*Algae*
- D Virus  
*Virus*

- 27 Jadual 1 menunjukkan keputusan suatu eksperimen untuk menentukan nilai kalori bagi suatu sampel makanan.

Table 1 shows the results of an experiment to determine the calorific value of a food sample.

|                                                                |       |
|----------------------------------------------------------------|-------|
| Jisim sampel makanan (g)<br><i>Mass of food sample (g)</i>     | 0.3 g |
| Jisim air (g)<br><i>Mass of water (g)</i>                      | 20 g  |
| Suhu awal air (°C)<br><i>Initial temperature of water (°C)</i> | 29 °C |
| Suhu akhir air (°C)<br><i>Final temperature of water (°C)</i>  | 57 °C |

Jadual 1

Table 1

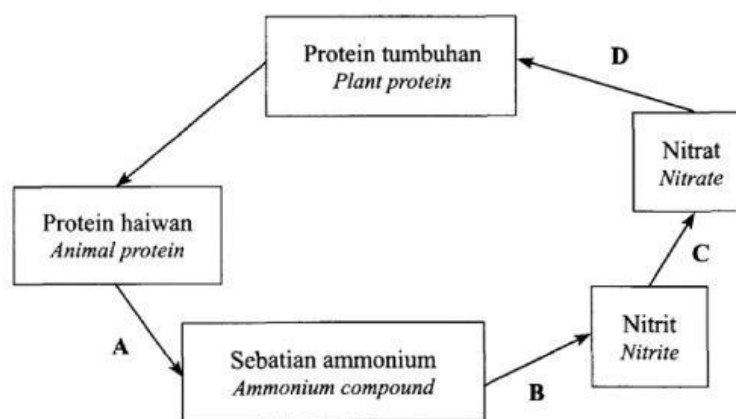
Berapakah nilai kalori bagi sampel makanan tersebut?

$$\left[ \text{Nilai kalori} = \frac{4.2 \text{ Jg}^{-1} \text{ }^{\circ}\text{C}^{-1} \times \text{Jisim air (g)} \times \text{Perubahan suhu air (}^{\circ}\text{C)}}{\text{Jisim sample makanan (g)} \times 1000} \right]$$

What is the calorific value for the food sample?

$$\left[ \text{Calorific value} = \frac{4.2 \text{ Jg}^{-1} \text{ }^{\circ}\text{C}^{-1} \times \text{Mass of water (g)} \times \text{Change in water temperature (}^{\circ}\text{C)}}{\text{Mass of food sample (g)} \times 1000} \right]$$

- A 7.84 kJg<sup>-1</sup>  
 B 8.12 kJg<sup>-1</sup>  
 C 15.86 kJg<sup>-1</sup>  
 D 15.96 kJg<sup>-1</sup>
- 28 Rajah 11 menunjukkan sebahagian daripada kitar nitrogen.  
 Diagram 11 shows a part of nitrogen cycle.



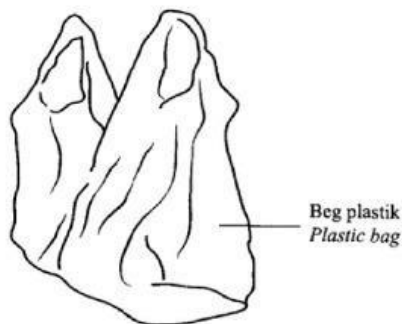
Rajah 11  
Diagram 11

Antara bahagian A, B, C dan D, yang manakah menunjukkan proses penguraian berlaku?  
 Which part A, B, C or D shows the decomposition process occurs?

- 29 Unsur manakah yang merupakan makronutrien?  
Which element is a macronutrient?

A Zink  
Zinc  
B Boron  
Boron  
C Nitrogen  
Nitrogen  
D Mangan  
Manganese

- 30 Rajah 12 menunjukkan suatu objek.  
Diagram 12 shows an object.



Rajah 12  
Diagram 12

Mengapakah objek tersebut perlu dikitar semula?  
Why does this object need to be recycled?

A Bersifat mesra alam  
Environmental friendly  
B Tidak terbiodegradasi  
Non-biodegradable  
C Tidak termusnah oleh haba  
Does not destroy by heat  
D Bertindak balas dengan bahan kimia  
React with chemical substance

- 31 Seorang petani mempunyai sebidang kebun di tepi sungai. Setiap petang dia menyembur tanamannya dengan sejenis racun serangga bagi memastikan tanamannya hidup dengan subur. Berdasarkan situasi di atas, apakah jenis pencemaran yang mungkin berlaku jika racun serangga itu tidak digunakan dengan betul?

A farmer owns a farm near a river. Every evening, he sprays his crops with a type of pesticide to ensure his crops grow healthily.

Based on the situation above, what is the possible type of pollution might occur if the pesticide is not used correctly?

A Pencemaran terma  
Thermal pollution  
B Pencemaran udara  
Air pollution  
C Pencemaran air  
Water pollution  
D Pencemaran bau  
Smell pollution

- 32 Jadual 2 menunjukkan keputusan bagi suatu tindak balas antara logam dengan air.  
Table 2 shows the results of a reaction between metal and water.

|                                                                     |   |    |    |    |    |    |    |     |     |
|---------------------------------------------------------------------|---|----|----|----|----|----|----|-----|-----|
| Masa (s)<br>Time (s)                                                | 0 | 15 | 30 | 45 | 60 | 75 | 90 | 105 | 120 |
| Isi padu gas (cm <sup>3</sup> )<br>Volume of gas (cm <sup>3</sup> ) | 0 | 12 | 20 | 24 | 27 | 29 | 30 | 30  | 30  |

Jadual 2  
Table 2

Berdasarkan Jadual 2, berapakah kadar tindak balas purata keseluruhan?  
Based on Table 2, what is the average rate of reaction for the whole reaction?

$$\left[ \text{Kadar tindak balas purata keseluruhan} = \frac{\text{Jumlah isi padu gas}}{\text{Masa yang diambil}} \right]$$

$$\left[ \text{Average rate of reaction for the whole reaction} = \frac{\text{Total volume of gas}}{\text{Time taken}} \right]$$

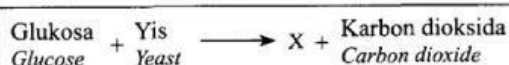
A 0.25 cm<sup>3</sup>s<sup>-1</sup>  
B 0.33 cm<sup>3</sup>s<sup>-1</sup>  
C 0.80 cm<sup>3</sup>s<sup>-1</sup>  
D 1.68 cm<sup>3</sup>s<sup>-1</sup>

- 33 Antara yang berikut, yang manakah merupakan sebatian karbon organik?  
Which of the following is an organic carbon compound?

A Ester  
Ester  
B Sianida  
Cyanide  
C Kalsium karbonat  
Calcium carbonate  
D Karbon dioksida  
Carbon dioxide

- 34 Rajah 13 menunjukkan persamaan perkataan bagi suatu tindak balas kimia.

Diagram 13 shows a word equation of a chemical reaction.



Rajah 13  
Diagram 13

Apakah ciri-ciri bagi X?  
What is the characteristic of X?

- A Menyalakan kayu uji berbara  
Lights up a glowing wooden splinter  
B Mempunyai takat didih yang tinggi  
Has a high boiling point  
C Menyebabkan air kapur menjadi keruh  
Causes limewater to turn cloudy  
D Bertindak balas dengan asid organik untuk menghasilkan ester  
Reacts with organic acid to produce ester

- 35 Larutan zink klorida cair,  $\text{ZnCl}_2$  dielektrolisis dengan menggunakan elektrod karbon.

Ion manakah tertarik ke anod dan katod?

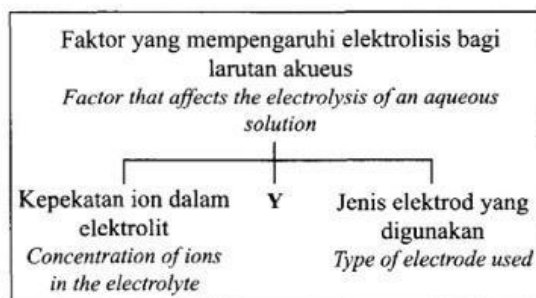
Diluted zinc chloride,  $\text{ZnCl}_2$  solution is electrolysed using carbon electrodes.

Which ions are attracted to the anode and the cathode?

|   | Anod<br>Anode                | Katod<br>Cathode             |
|---|------------------------------|------------------------------|
| A | $\text{Cl}^-$                | $\text{Zn}^{2+}$             |
| B | $\text{Zn}^{2+}$             | $\text{Cl}^-$                |
| C | $\text{Zn}^{2+}, \text{H}^+$ | $\text{Cl}^-, \text{OH}^-$   |
| D | $\text{Cl}^-, \text{OH}^-$   | $\text{Zn}^{2+}, \text{H}^+$ |

- 36 Rajah 14 menunjukkan maklumat tentang elektrolisis larutan akueus.

Diagram 14 shows the information about electrolysis of an aqueous solution.



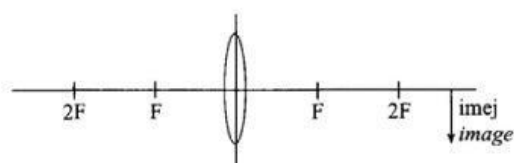
Rajah 14  
Diagram 14

Apakah Y?  
What is Y?

- A Isi padu elektrolit  
Volume of electrolyte  
B Kedudukan logam dalam siri kereaktifan  
Position of metal in the reactivity series  
C Keelektropositifan logam  
Electropositivity of metals  
D Kedudukan ion dalam siri elektrokimia  
Position of ion in the electrochemical series

- 37 Rajah 15 menunjukkan satu gambar rajah sinar yang tidak lengkap.

Diagram 15 shows an incomplete ray diagram.



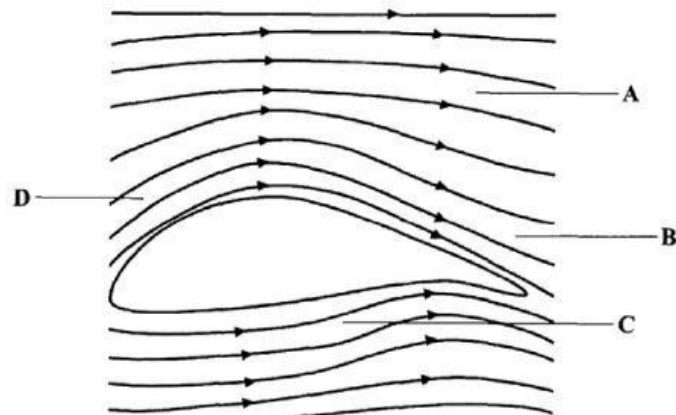
Rajah 15  
Diagram 15

Antara kedudukan objek yang berikut, yang manakah akan menghasilkan imej seperti di Rajah 15?

Which of the following positions of the object will produce the image as in Diagram 15?

- A Antara F dengan 2F  
Between F and 2F  
B Kurang daripada F  
Less than F  
C Pada F  
At F  
D Lebih daripada 2F  
More than 2F

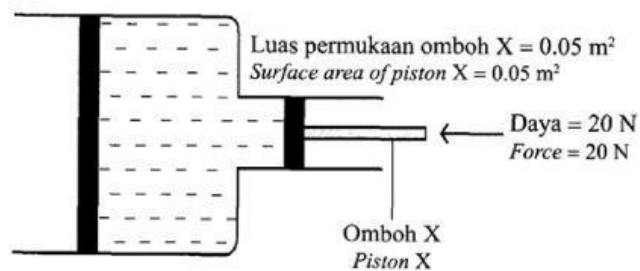
- 38 Rajah 16 menunjukkan keratan rentas sayap sebuah kapal terbang semasa berlepas.  
Diagram 16 shows a cross-section of an aeroplane wing during take off.



Rajah 16  
Diagram 16

Antara A, B, C dan D, yang manakah menunjukkan aliran udara yang lebih perlahan?  
Which of A, B, C or D shows a slower air flow?

- 39 Rajah 17 menunjukkan satu sistem hidraulik.  
Diagram 17 shows a hydraulic system.



Rajah 17  
Diagram 17

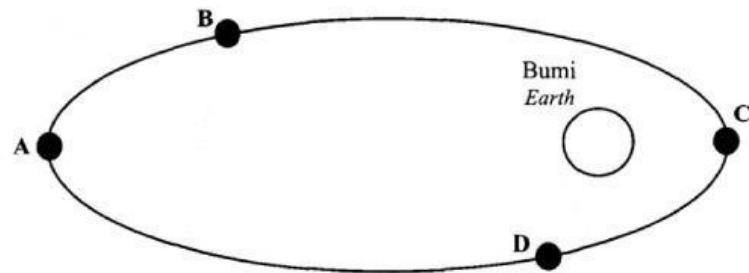
Berapakah tekanan yang dihasilkan pada ombok X?  
What is the pressure produced by piston X?

$$\left[ \text{Tekanan} = \frac{\text{Daya}}{\text{Luas permukaan}} \right]$$

$$\left[ \text{Pressure} = \frac{\text{Force}}{\text{Surface area}} \right]$$

- A 0.0025 Nm<sup>-2</sup>  
B 1 Nm<sup>-2</sup>  
C 40 Nm<sup>-2</sup>  
D 400 Nm<sup>-2</sup>

- 40 Rajah 18 menunjukkan kedudukan satelit dalam orbit elips.  
*Diagram 18 shows the positions of satellites in an elliptical orbit.*



Rajah 18  
*Diagram 18*

Antara A, B, C dan D, yang manakah kedudukan yang dikenali sebagai apogi?  
*Which of A, B, C or D is the position known as apogee?*