

18. Diagram 8 shows the formation of an image by using a concave lens.

*Rajah 8 menunjukkan pembentukan imej dengan menggunakan kanta cekung.*

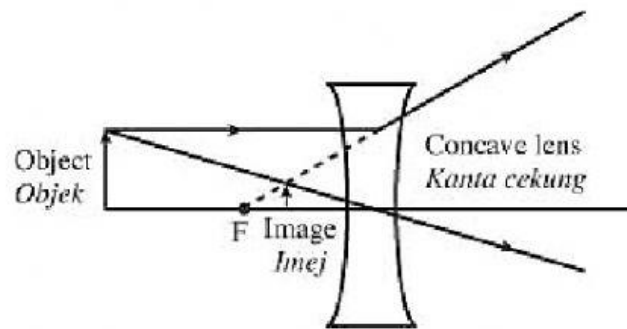


Diagram 8/ *Rajah 8*

How is the image formed if the object is moved closer to the lens?

*Bagaimanakah dengan imej yang terbentuk jika objek dipindah dekat kepada kanta?*

- A The image is real and smaller than previous image.  
*Imej adalah nyata dan lebih kecil daripada imej dahulu.*
- B The image is virtual and smaller than previous image.  
*Imej adalah maya dan lebih kecil daripada imej dahulu.*
- C The image is virtual and bigger than previous image.  
*Imej adalah maya dan lebih besar daripada imej dahulu.*
- D The image is real and same size as the previous image.  
*Imej adalah nyata dan sama saiz dengan imej dahulu.*
19. Diagram 16 shows a plant with yellow flower and green leaf under white light.  
*Rajah 16 menunjukkan satu tumbuhan dengan bunga kuning dan daun hijau di bawah cahaya putih.*

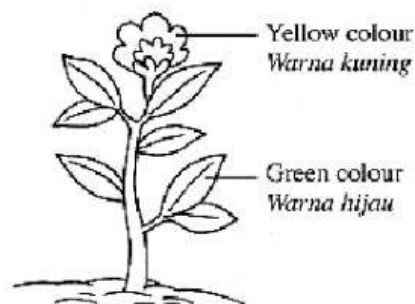


Diagram 9/ *Rajah 9*

What colours of the flower and leaf can be observed under red light?

*Apakah warna bunga dan daun yang dapat diperhatikan di bawah cahaya merah?*

	<b>Flower</b> <i>Bunga</i>	<b>Leaf</b> <i>Daun</i>
A	Yellow <i>Kuning</i>	White <i>Putih</i>
B	Green <i>Hijau</i>	Red <i>Merah</i>
C	Black <i>Hitam</i>	Green <i>Hijau</i>
D	Red <i>Merah</i>	Black <i>Hitam</i>

20 Diagram 10 shows the process of batik printing.

*Rajah 10 menunjukkan proses percetakan batik.*

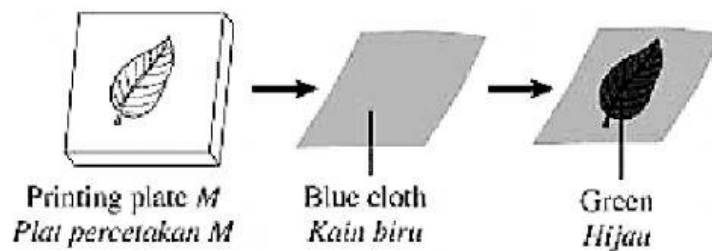


Diagram 10/ *Rajah 10*

What is the original colour of the printing plate M?

*Apakah warna asal bagi plat percetakan M?*

- |   |                       |   |                         |
|---|-----------------------|---|-------------------------|
| A | Red<br><i>Merah</i>   | C | Cyan<br><i>Sian</i>     |
| B | Green<br><i>Hijau</i> | D | Yellow<br><i>Kuning</i> |

21. Which mixtures form bronze?

*Campuran yang manakah menghasilkan gangsa?*

- |   |   |   |   |
|---|---|---|---|
| A | Iron and carbon<br><i>Besi dan Karbon</i> | C | Copper and zinc<br><i>Kuprum dan zink</i>     |
| B | Copper and tin<br><i>Kuprum and timah</i> | D | Tin and antimony<br><i>Timah dan antimoni</i> |

22. The following information shows the uses of chemical substance X.

*Maklumat berikut menunjukkan kegunaan bahan kimia X.*

- |  |
|--|
| <ul style="list-style-type: none"> <li>• To produce fertilizer<br/><i>Untuk menghasilkan baja</i></li> <li>• To produce nitric acid<br/><i>Untuk menghasilkan asid nitrik</i></li> </ul> |
|--|

What is X?

*Apakah X?*

- |   |                           |   |                             |
|---|---------------------------|---|-----------------------------|
| A | Ester<br><i>Ester</i>     | C | Ammonia<br><i>Ammonia</i>   |
| B | Alcohol<br><i>Alkohol</i> | D | Neoprene<br><i>Neoprena</i> |

23. Diagram 11 shows the production of compound X in an industry.

*Rajah 11 menunjukkan proses penghasilan sebatian X dalam industry.*

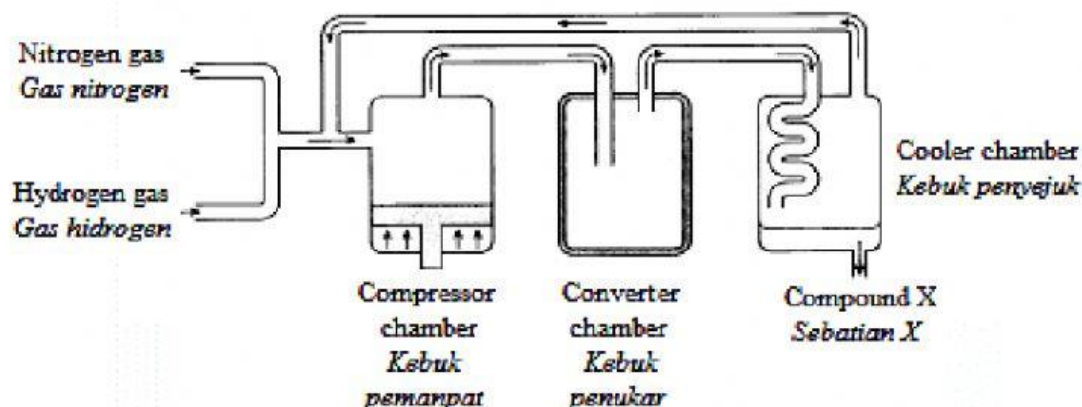


Diagram 11/ *Rajah 11*

What is compound X?

*Apakah sebatian X?*

- |   |                           |   |  |
|---|---------------------------|---|--|
| A | Nitrate<br><i>Nitrat</i>  | C | Nitric acid<br><i>Asid Nitrik</i>      |
| B | Ammonia<br><i>Ammonia</i> | D | Sulphuric acid<br><i>Asid sulfurik</i> |

24. Diagram 12 shows a type of microorganisms.

*Rajah 12 menunjukkan sejenis mikroorganisma.*

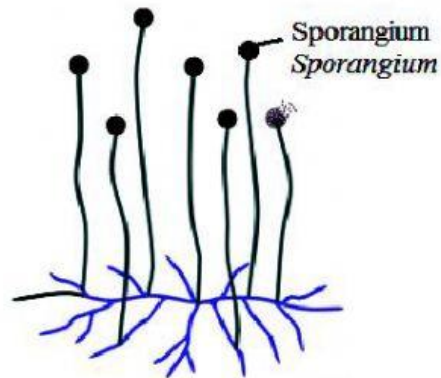


Diagram 12 / Rajah 12

What is the microorganism?

*Apakah mikroorganisma tersebut?*

A Yeast

*Yis*

B Mucor

*Mukor*

C Euglena

*Euglena*

D Paramecium

*Paramecium*

25. Diagram 13 shows two types of food.

*Rajah 13 menunjukkan dua jenis makanan.*



Soy sauce  
*Kicap*



Bread  
*Roti*

Diagram 13 / Rajah 13

Which of the microorganisms is used to produce the food?

*Antara mikroorganisma berikut yang manakah digunakan untuk menghasilkan makanan itu?*

- |   |                      |   |                             |
|---|----------------------|---|-----------------------------|
| A | Yeast<br><i>Yis</i>  | C | Bacteria<br><i>Bakteria</i> |
| B | Algae<br><i>Alga</i> | D | Protozoa<br><i>Protozoa</i> |

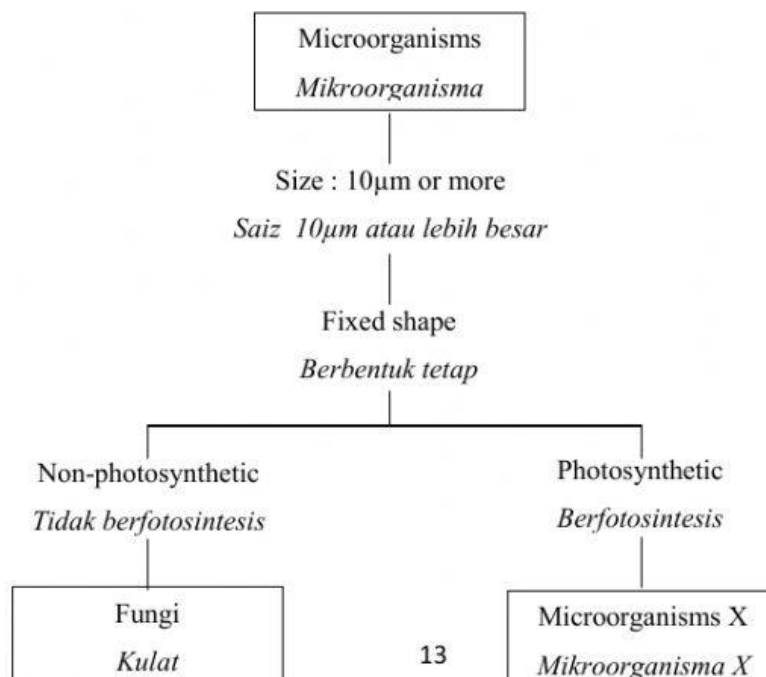
26. An individual can acquire passive artificial immunity after

*Seseorang individu boleh mendapat keimunan pasif buatan selepas*

- |   |   |
|---|---|
| A | Drinking mother's milk<br><i>Menyusu susu ibunya</i>              |
| B | Being injected with a vaccine<br><i>Disuntik dengan vaksin</i>    |
| C | Recovering from an illness<br><i>Sembuh daripada penyakit</i>     |
| D | Being injected with antiserum<br><i>Disuntik dengan antiserum</i> |

27. The following information shows the classification of microorganisms.

*Maklumat berikut menunjukkan pengelasan mikroorganisma.*



What is microorganism X?

*Apakah mikroorganisma X?*

- |   |                       |   |                             |
|---|-----------------------|---|-----------------------------|
| A | Algae<br><i>Alga</i>  | C | Bacteria<br><i>Bakteria</i> |
| B | Virus<br><i>Virus</i> | D | Protozoa<br><i>Protozoa</i> |

28. What is a balanced diet?

*Apakah diet seimbang?*

- A The food that contains correct proportions of all classes of food  
*Makanan yang mengandungi semua kelas makanan dengan perkadaran yang betul*
- B The food that can help an individual to resist all kinds of diseases  
*Makanan yang dapat membantu individu untuk melawan semua jenis penyakit*
- C The food that can help an individual to grow and stay healthy  
*Makanan yang dapat membantu individu untuk membesar dan kekal sihat*
- D The food that contains a lot of fibers  
*Makanan yang mengandungi serat yang banyak*

29. Diagram 14 shows the change in the artery of a man.

*Rajah 14 menunjukkan perubahan pada arteri seorang lelaki.*

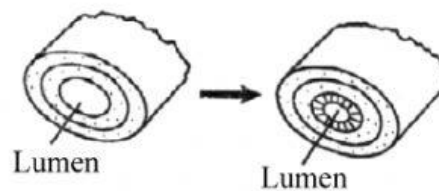


Diagram 14 / *Rajah 14*

What class of food led to this disease?

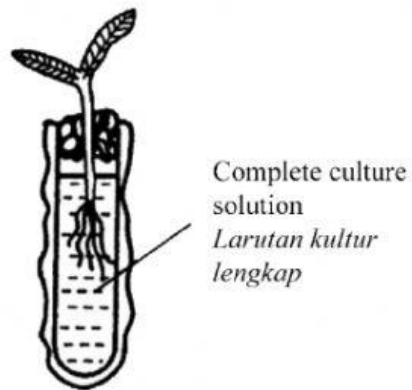
*Apakah kelas makanan yang membawa kepada penyakit ini?*

- |   |                                    |   |                           |
|---|------------------------------------|---|---------------------------|
| A | Carbohydrate<br><i>Karbohidrat</i> | C | Protein<br><i>Protein</i> |
| B | Minerals<br><i>Mineral</i>         | D | Fat<br><i>Lemak</i>       |

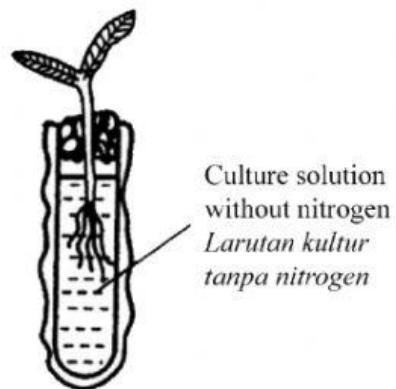
30. Which of the following apparatus caused the growth of a seedling to stunt and its leaves to turn yellowish with brownish spots?

*Antara radas yang berikut, yang manakah menyebabkan pertumbuhan anak benih terbantut dan daunnya bertukar kekuningan dengan tompok-tompok perang?*

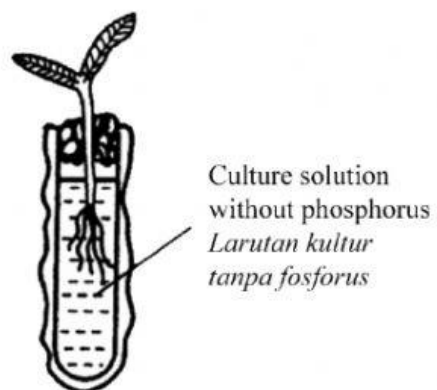
A



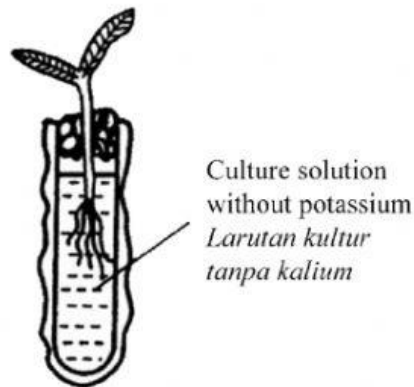
B



C



D



31. What will happen if the forest is being cut down without any control?

*Apakah yang akan berlaku jika hutan ditebang tanpa sebarang kawalan?*

I Flood

*Banjir*

II Drought

*Kemarau*

III Acid rain

*Hujan asid*

IV Eutrophication

*Eutrofikasi*

A I and II

*I dan II*

C I and IV

*I dan IV*

B II and III

*II dan III*

D III and IV

*III dan IV*

32. Diagram shows a food chain.

*Rajah menunjukkan rantai makanan.*

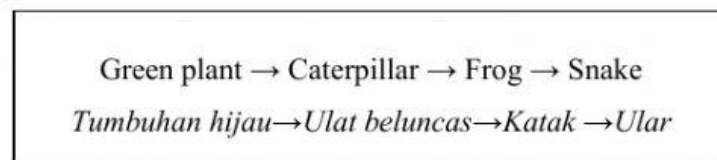


Diagram 15 / *Rajah 15*

What will happen to the grass and frog population if all grasshoppers are dead?

*Apakah yang akan terjadi pada populasi rumput dan katak jika kesemua belalang mati?*



	<b>Grass</b> <i>Rumput</i>	<b>Frog</b> <i>Katak</i>
A	Increase <i>Bertambah</i>	Decrease <i>Berkurang</i>
B	Decrease <i>Berkurang</i>	Increase <i>Bertambah</i>
C	Increase <i>Bertambah</i>	Increase <i>Bertambah</i>
D	Decrease <i>Berkurang</i>	Decrease <i>Berkurang</i>

33. What is the effect of excessive fertilizer in a river?

*Apakah kesan baja yang berlebihan di dalam sungai?*

A Alga grows rapidly

*Alga tumbuh dengan pesat*

B Habitat for more organisms

*Habitat untuk lebih banyak organisma*

C The population of fish increases

*Populasi ikan meningkat*

D Aquatic plants in the river get carbon dioxide from alga and grow healthily

*Tumbuhan akuatik di dalam sungai menerima karbon dioksida daripada alga dan membesar dengan sihat*

34. What are the effects of excessive intake of saturated fats?

*Apakah kesan pengambilan lemak tepu yang berlebihan?*

A Blood glucose level to rise

*Peningkatan aras glukosa dalam darah*

B Blood cholesterol level to rise

*Peningkatan aras kolesterol dalam darah*

C The lumen size of arteries increase

*Saiz lumen arteri akan bertambah*

D Decrease blood pressure

*Menurunkan tekanan darah*