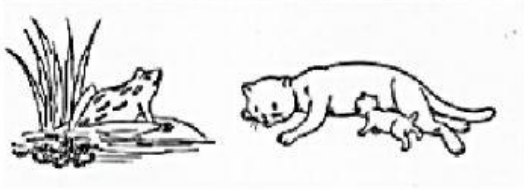
1. Rajah 1 menunjukkan tingkah laku khas dua jenis haiwan.
   *Diagram 1 shows the specific behaviour of two types of animals.*



Rajah 1
*Diagram 1*

Antara yang berikut yang manakah menerangkan tentang tingkah laku haiwan-haiwan itu?
*Which of the following explains the behaviour of the animals?*

A. Haiwan melindungi telur
   *Animals protect their eggs*
B. Haiwan melindungi anaknya
   *Animals protect their young*
C. Haiwan memelihara anak dari musuh
   *Animals take care of their young from enemies*
D. Haiwan memastikan kemandirian spesiesnya
   *Animals ensure the survival of their species*

2. Rajah 2 menunjukkan tingkah laku sejenis haiwan.
   *Diagram 2 shows the behaviour of a type of animal.*

Rajah 2
*Diagram 2*

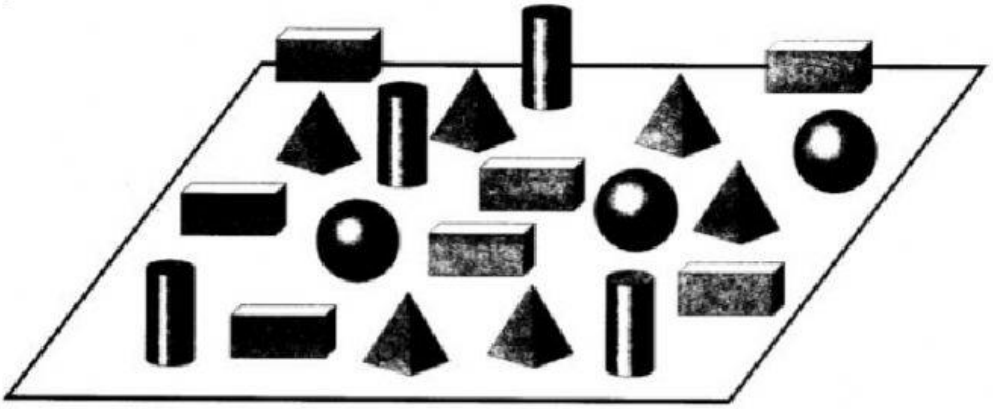
Bagaimanakah tingkah laku di atas mendatangkan faedah kepada haiwan tersebut?
*How the behaviour above benefits the animal?*

A. Dapat membersihkan diri
   *Can clean up its body*
B. Boleh mencari pasangan
   *Can help to find male*
C. Menyejukkan badan daripada cuaca panas
   *Can cool its body from hot weather*
D. Mengelakkan diri daripada musuh di sekelilingnya
   *Can avoid itself from surrounding enemies*



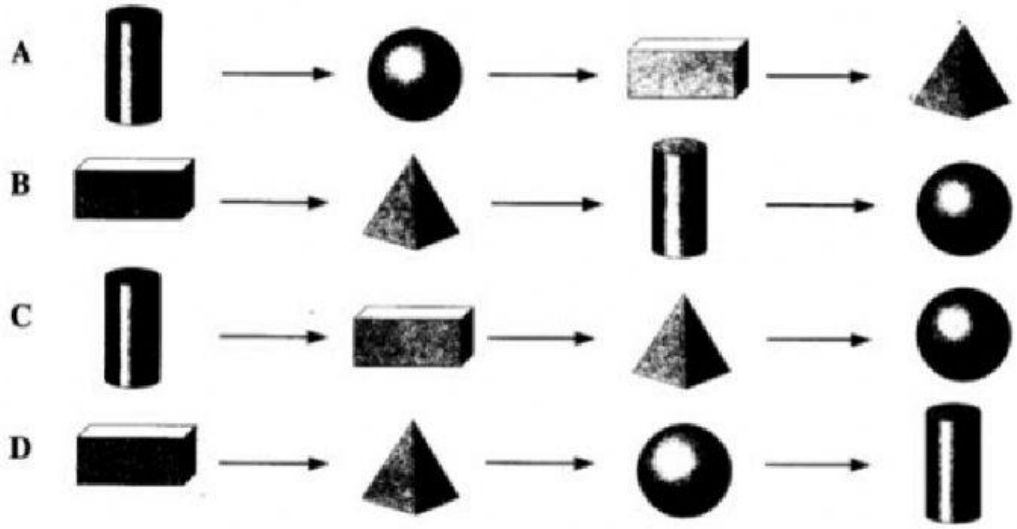
LIVEWORKSHEETS

3. Rajah 3 menunjukkan populasi empat jenis hidupan yang diwakili dengan beberapa bentuk geometri dalam suatu habitat.
*Diagram 3 shows a population of four types of living things represented by some geometry shapes in a habitat.*



Rajah 3
*Diagram 3*

Berdasarkan populasi hidupan dalam Rajah 3, manakah rantai makanan yang betul?
*Based on the population of living things shown in Diagram 3 which food chain is correct?*



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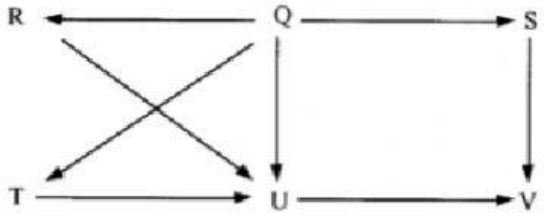
4. Rajah 4 menunjukkan siratan makanan dalam satu habitat.
*Diagram 4 shows a food web in a habitat.*




Rajah 4
*Diagram 4*

Berapakah bilangan omnivor yang terlibat dalam siratan makanan ini?
*How many omnivores are involved in this food web?*

A. 1
B. 2
C. 3
D. 4

5. Rajah 5 menunjukkan sejenis tumbuhan,
*Diagram 5 shows a type of plants.*

Rajah 5
*Diagram 5*

Antara ciri tumbuhan yang manakah membolehkannya dipencarkan oleh agen pencarannya.
*What characteristics of the plant which enable it to be dispersed by its dispersal agent?*

A. Berspan dan menyerap air
*Has sponge and absorb water*
B. Ruang udara dan kalis air
*Has air spaces and waterproof*
C. Boleh dimakan terus
*Can be eaten directly*
D. Kecil dan bertangkai panjang
*Small and has long stalk*



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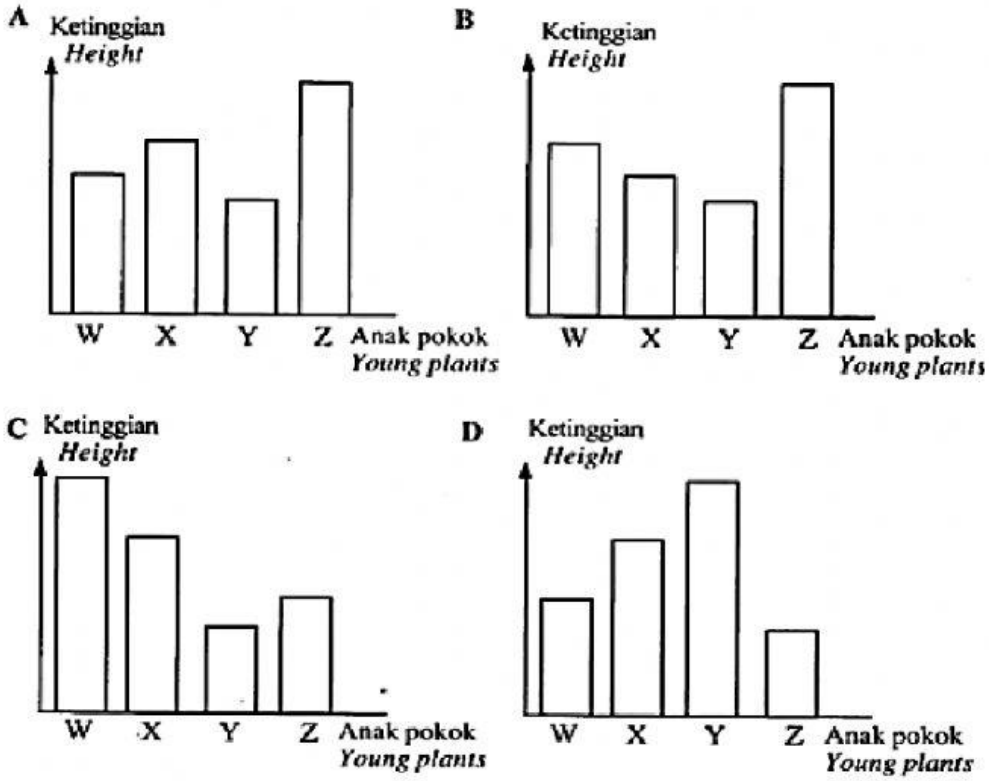
6. Jadual 1 menunjukkan jarak penyebaran biji benih daripada pokok induk.
*Table 1 shows the distance of seed dispersal from its parent plant.*

| Biji benih *Seed* | Jarak penyebaran (cm) *Distance of dispersal* (cm) |
|---|---|
| W | 33 |
| X | 28 |
| Y | 22 |
| Z | 40 |

Jadual 1
*Table 1*

Antara yang berikut carta palang yang manakah mewakili persaingan antara anak pokok dengan pokok induknya
*Which of the following bar charts represents the competition between the young plants and the parent plant?*



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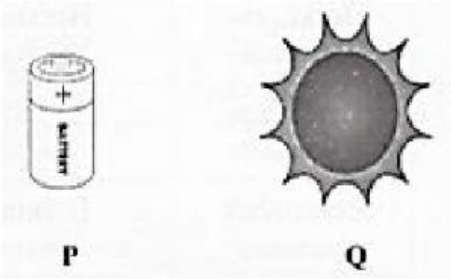
7. Rajah 6 menunjukkan sumber elektrik P dan Q.
*Diagram 6 shows sources of electricity P and Q.*




Rajah 6
*Diagram 6*

Antara objek berikut, yang manakah menggunakan sumber tenaga di atas?
*Which of the following devices use the sources of electricity above?*

| | P | Q |
|---|---|---|
| A | Telefon *Telephone* | Basikal *Bicycle* |
| B | Kamera *Camera* | Kalkulator *Calculator* |
| C | Motosikal *Motorcycle* | Kereta mainan *Toy car* |
| D | Televisyen *Television* | Pembakar roti *Toaster* |

8. Pernyataan manakah yang betul mengenai tenaga kimia?
*Which statement is correct about chemical energy?*

A. Tenaga berasal dari bahan nuklear
*The energy from nuclear substances*
B. Tenaga yang tersimpan di dalam makanan
*The energy stored in food*
C. Tenaga yang mengalir dalam litar lengkap
*The energy flows in a complete circuit*
D. Tenaga yang dihasilkan oleh objek yang bergetar
*The energy produce from vibrating objects*



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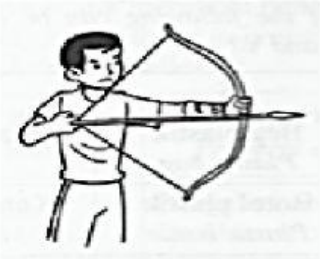
9. Rajah 7 menunjukkan satu aktiviti
*Diagram 7 shows an activity*



Rajah 7
*Diagram 7*

Apakah perubahan tenaga yang berlaku apabila anak panah dilepaskan?
*What transformation of energy occurs when the arrow is released?*

A. Tenaga kinetic → Tenaga keupayaan
*Kinetic energy → Potential energy*
B. Tenaga kimia → Tenaga keupayaan
*Chemical energy → Potential energy*
C. Tenaga bunyi → Tenaga kinetik
*Sound energy → Kinetic energy*
D. Tenaga keupayaan → Tenaga kinetik
*Potential energy → Kinetic energy*



LIVEWORKSHEETS

10. Rajah 8 menunjukkan satu cara memperoleh tenaga yang boleh diperbaharui.
*Diagram 8 shows a method to gain renewable energy.*

Rajah 8
*Diagram8*

Apakah yang akan berlaku jika penggunaan tenaga itu dipertingkatkan?
*What will happen if the usage of this energy is increased?*

A. Menurunkan kadar pencemaran udara
*Decrease the rate of air pollution*
B. Kepupusan sumber bahan api fosil
*Extinction of fossil fuel resources*
C. Meningkatkan penggunaan tenaga solar
*Increase the usage of solar energy*
D. Meningkatkan penggunaan tenaga elekirik untuk memusingkan kipas
*Increase the usage of electrical energy to make the fan spin*

11.

| | | | | |
|---|---|---|---|---|
| Tenaga kimia<br>*Chemical energy* | → | tenaga cahaya<br>*light energy* | + | tenaga haba<br>*heat energy* |

Antara berikut, aktiviti yang manakah melibatkan perubahan tenaga seperti di atas?
*Which of the following activities involves transformation of energy as above?*

A. Suis kipas dibuka
*On the switch of a fan*
B. Lilin dinyalakan
*Light up a candle*
C. Pengering rambut digunakan
*Using a hair dryer*
D. Kamera menyalakan lampu sinar
*Using the flash light of camera*



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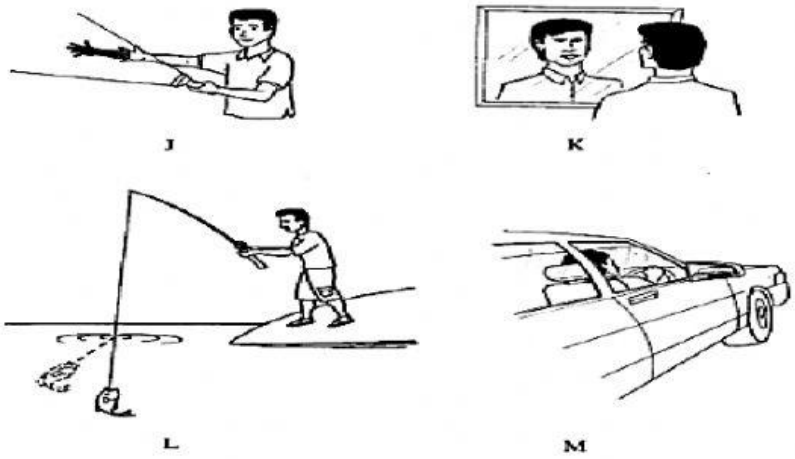
12. Antara berikut. yang manakah situasi menunjukkan prinsip pantulan cahaya?
*Which of the following situations show the principle of light reflection?*

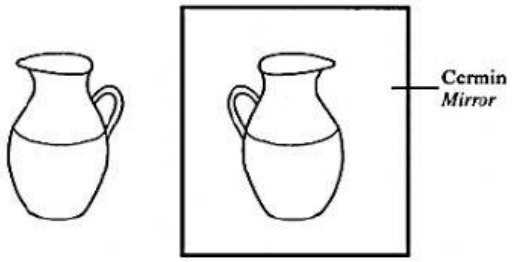



A. J dan K
*J and K*
B. K dan M
*K and M*
C. L dan M
*L and M*
D. J dan L
*J and L*



LIVEWORKSHEETS

13. Rajah 9 menunjukkan sebuah jag yang diletakkan di hadapan cermin. Adam mendapati imej jag itu terbentuk di dalam cermin.
*Diagram 9 shows a jug which is placed in front of a mirror. Adam notices that the image of the jug is formed in the mirror.*




Rajah 9
Diagram 9

Mengapakah imej jag itu boleh terbentuk di dalam cermin?
*Why is the image of the jug formed in the mirror?*

A. Cahaya dipantulkan
*Light is reflected*
B. Cahaya dibiaskan
*Light is refracted*
C. Cahaya bergerak lurus
*Light travel in a straight line*
D. Cahaya tidak boleh menembusi objek legap
*Light cannot penetrate an opaque object*



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