



سكولہ كے بڻسآن نامن فٹنلے سڦڻ فونرا، 43950 سونڀاڻي فليق، سلاڻور.
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43950 SUNGAI PELEK, SELANGOR.

UJIAN PERTENGAHAN SEMESTER 2 TAHUN 2009

MATA PELAJARAN

SAINS TAHUN 5

.....

TAHUN

NAMA :

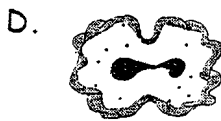
KELAS :

ARAHAN : JANGAN BUKA SEHINGGA DIBERITAHU.

SECTION A

Choose the correct answer.

1. Which of the following is a microorganism?



2. The information below shows the process taking place in microorganisms.

- | |
|--|
| <ul style="list-style-type: none"> ● Breathe ● Grow ● X |
|--|

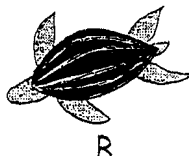
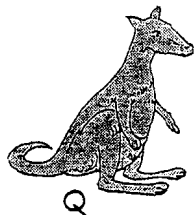
What is the process X?

- A. Eat C. Move
B. Fly D. Hibernate

3. Which devices can be used to see microorganisms?



4. Which of the following take care of their young?



- A. P and R C. P, R and S
B. Q and S D. Q, R and S

5. Figure 1 shows types of microorganisms P, Q and R.



FIGURE 1

Which of the following characteristics matches these microorganisms?

- | |
|---|
| <ul style="list-style-type: none"> P - Microorganisms move Q - Microorganisms breathe R - Cannot be seen with naked eyes |
|---|

- A. P and Q only C. P and R only
B. Q and R only D. P, Q and R

6. Figure 2 shows a food web at a certain habitat.

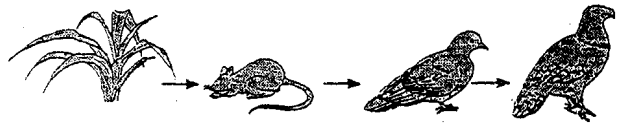


FIGURE 2

Where can you find the food web shown above?

- A. Pond C. Paddy field
B. Jungle D. Science garden

7. Figure 3 shows a love grass.



FIGURE 3

Which of the following plants has the same dispersal agent as the plant above?

- A. Pong-pong C. Coconut
B. Cotton D. Kelulut

8. Which of the following statements are true?

- P - Turtle hide their eggs in sand
 Q - Snake attacks to protect their eggs
 R - Frogs lay slimy eggs in water

- A. P and Q C. Q and R
 B. P and R D. P, Q and R

9. $X \rightarrow \text{Butterfly} \rightarrow Y \rightarrow \text{Bird}$

Which of the following represents X and Y in the food chain above?

	X	Y
A.	Leaves	Frog
B.	Flower	Spider
C.	Grass	Beetle
D.	Leaves	Scorpion

10. Figure 4 shows a food chain.



FIGURE 4

Which are the producer and consumer?

	Producer	Consumer
A.	Paddy	Rat and snake
B.	Rat	Paddy and snake
C.	Snake	Paddy only
D.	Paddy	Rat only

11. Which of the following is used to produce electricity?

- P Accumulator R Dynamo
 Q Candle S Windmill
- A. P, Q and R C. Q, R and S
 B. P, R and S D. P, Q, R and S

12. Figure 5 shows a device used to generate energy.



FIGURE 5

The device used on a

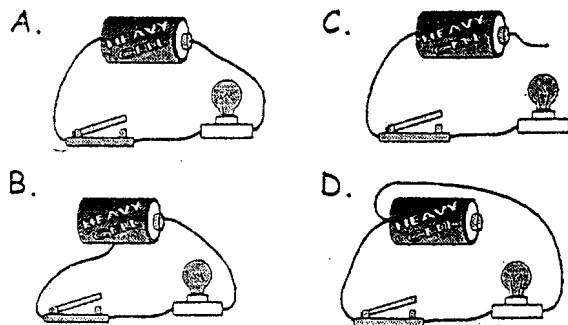
- A. bicycle C. motorcycle
 B. car D. remote control car

13. Which of the following pair of electric components and their symbols are correct?

	Component	Symbol
I	Bulb	
II	Battery	
III	Switch	

- A. I and II C. II and III
 B. I and III D. I, II and III

14. Which of the following is a complete circuit?



15. Which of the following property is common for solid, liquid and gas?

- A. All have mass
 B. All have fixed shape
 C. All have fixed volume
 D. All can be compressed

16. Which of the following is not solid?
 A. Ice
 B. Rubber
 C. Wood
 D. Milk

17. Figure 6 shows water droplets on a glass iced lemon.



FIGURE 6

Name the above process?

18. Figure 7 shows an experiment.

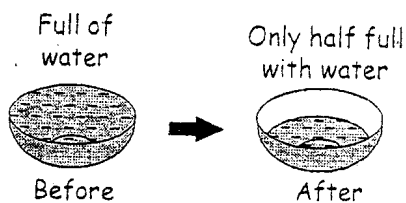


FIGURE 7

Name the above process?

19. Which of the following appliances use dry cell as sources of electrical energy?

- I Camera III Bicycle
 II Torch IV Microwave
 A. I and II C. I, II and III
 B. III and IV D. II, III and IV

20. Figure 8 shows a toy car.

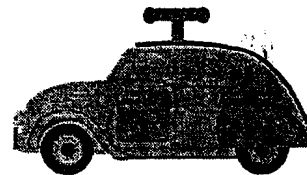


FIGURE 8

A moving toy car has a lot of

- A. chemical energy
 B. heat energy
 C. kinetic energy
 D. potential energy

21. Figure 9 shows two sources of energy.

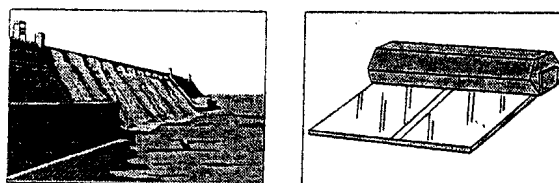


FIGURE 9

Name the sources of energy shown in the figure above.

	X	Y
A.	Hydro energy	Solar energy
B.	Heat energy	Sound energy
C.	Kinetic energy	Potential energy
D.	Solar energy	Chemical energy

22. Table 1 shows that X has the energy source for a torchlight.

Energy source	Use
X	Torchlight

TABLE 1

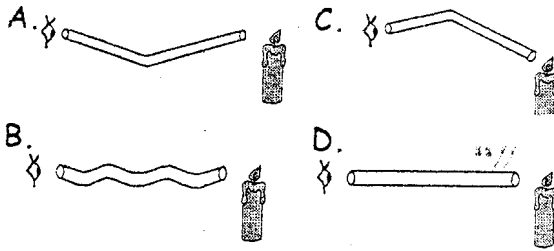
Which of the following is X?

- A. Bulb C. Dynamo
 B. Dry cell D. Accumulator

23. Which of the following source of light?

- A. Moon C. A rainbow
 B. A star D. The Sun

24. Which of the following shape a rolled paper allows the light to be seen?



25. Which of the objects are transparent?

- I. Stone III Glass plate
 II Book IV Plastic sheet
 A. I and II C. I, II and III
 B. III and IV D. I, III and IV

26. Figure shows an experiment.

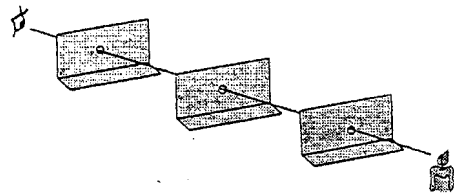


FIGURE 10

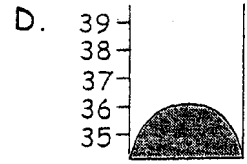
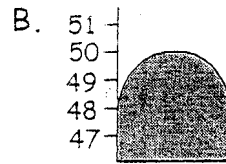
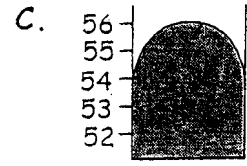
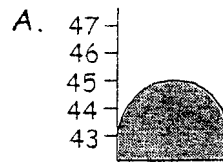
The candle flame can be seen through the hole because

- A. light is reflected
 B. light travels fast
 C. light travels in a straight line
 D. light can be seen through our eyes

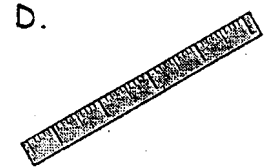
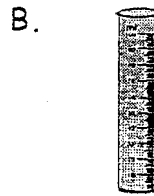
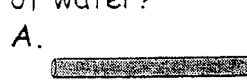
27. Adam is not able to see the colour of water in the cup because

- A. the cup is made of glass
 B. the cup is opaque
 C. the cup is translucent
 D. the cup is transparent

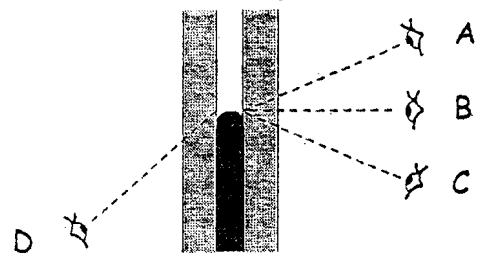
28. The thermometer which shows a reading of 36°C is



29. Which of the following instruments is used to measure the degree of hotness of water?



30. Figure shows part of a thermometer. Which is the correct position to read the thermometer accurately?



FIGURE

(30 marks)

SECTION B

Answer all the questions.

1. In Figure 1 some pupils carried out the following experiment. They took a slice bread and sprinkled with a few drops of water on it. The bread was kept in a plastic bag.

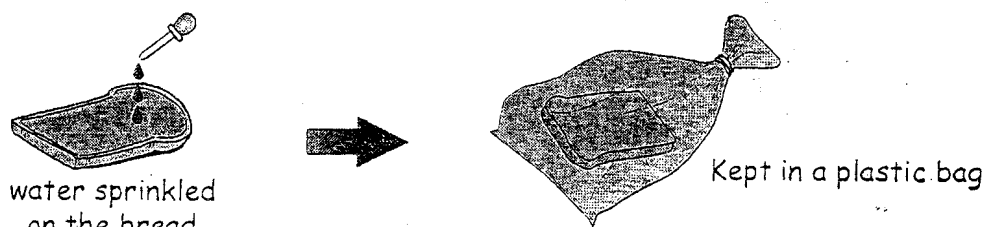


FIGURE 1

Table 1 below shows the results of the investigation.

Days	Amount of dark spots
3	4
5	6
7	10

TABLE 1

- (a) What is the hypothesis of this experiment?
As the days increases, the dark spots growth on the bread increases (1)
- (b) Identify the dark spots on slice of the bread.
Fungi (1)
- (c) How is the growth pattern of the slice of the bread?
It is increasing (1)
- (d) Write the conclusion of the experiment.
The microorganisms / Fungi grow/reproduce. (1)

(4 marks)

2. Figure 2 shows seeds or fruits of different types of plants.

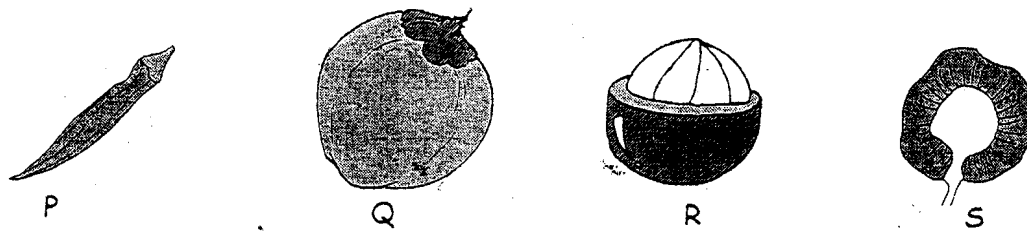


FIGURE 2

(a) State the methods of dispersal of seed by the following plants.

- (i) P : Explosive mechanism (1)
- (ii) Q : Water (1)
- (iii) R : Animals (1)
- (iv) S : Wind (1)

(b) Give two characteristics of the seeds of plant S that help in their way of seed dispersal.

- (i) Seeds are small (1)
- (ii) Seeds are light (1)

(c) Give one example of a plant that disperses seed like plant P.

Rubber / Chestnut (1)

(7 marks)

3. Figure 3 shows an electric circuit.

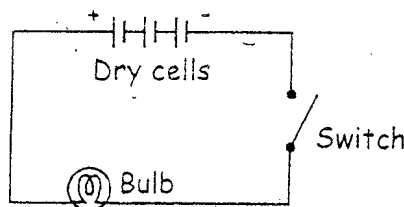


FIGURE 3

(a) What will happen when the switch is connected?

The bulb lights up. (1)

(b) Give an inference for your answer in (a).

The flow of electric current in the circuit is complete. (1)

(c) State the function of a switch. and to break

A device to complete the flow of electric current in an electric circuit. (1)

(3 marks)

4. Figure 4 shows an experiment carried out by a group of pupils.

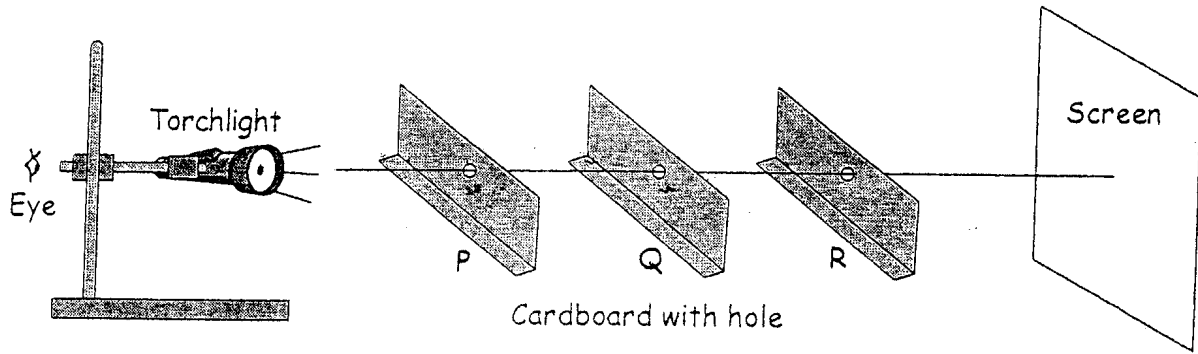


FIGURE 4

(a) What is the aim of the above experiment?

To see if light travels in a straight line

(1)

(b) Is the pupil able to see the light?

Yes, he can see the light.

(1)

(c) What will happen if cardboard R is shifted to the right?

The light cannot be seen.

(1)

(3 marks)

5. Figure 5 shows two devices that are used by people in their every day activities.

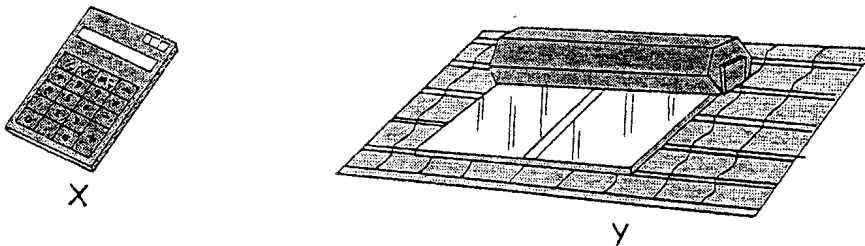


FIGURE 5

(a) Identify:

(i) X : Solar calculator.

(1)

(ii) Y : Solar panels / Water heater.

(1)


(b) State the source of energy that is used by X and Y.

Solar energy


(1)

(3 marks)

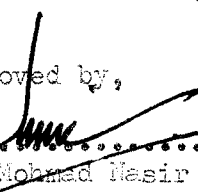
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