

NAMA :

KELAS :

- B. Suaikan ciri-ciri khas tumbuhan berikut dengan cara pencaran yang betul.**
Match the following special characteristics of plants with the correct methods of dispersal.

	Ciri-ciri khas tumbuhan Special characteristics of plants
1	Buah berwarna terang, berisi tebal, boleh dimakan, berjus dan harum. Fruits that are brightly coloured, thick fleshy, edible, juicy and fragrant.
2	Buah mempunyai sabut, kalis air, dan ruang udara. Fruits have husk, waterproof and air spaces.
3	Buah mempunyai struktur khas seperti bersayap, berbulu, kecil dan ringan. Fruits have special structures such as wing-like structure, hairy, small and light.
4	Dinding buah merekah apabila kering dan tercampak jauh apabila dindingnya pecah. Skin of fruits crack when dry cause the seeds to thrown far away when the skin splits.

Cara pencaran Method of dispersal
Angin Wind
Mekanisma letupan Explosive mechanism
Air Water
Haiwan Animals

- C. Jawab soalan yang berikut.**
Answer the following questions.

1 Pencaran biji benih dan buah penting untuk spesies tumbuhan.
The dispersal of seeds and fruits is important for the of plant species.

2 Tuliskan **dua** kepentingan lain pencaran biji benih dan buah.
Write **two** other importance of seeds and fruits dispersal.

(a)

(b)

3 Tuliskan **dua** kesan jika tumbuhan tidak melakukan proses pencaran.
Write **two** effects if plants do not carry out the process of dispersal.

(a)

(b)

4 Tumbuhan di suatu habitat memberi kebaikan kepada hidupan lain di habitat itu.
Plants in a habitat give benefits to other living things in the same habitat.

Berdasarkan pernyataan di atas, jelaskan dengan contoh.
Based on the above statement, explain with an example.

KBAT

SOALAN OBJEKTIF OBJECTIVE QUESTIONS

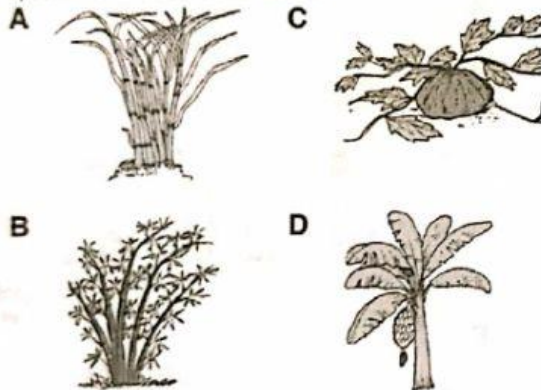
Pilih jawapan yang betul.
Choose the correct answer.

1 Baca maklumat di bawah.
Read the information below.

X

Mempunyai bulu halus pada daun atau batang yang boleh menyebabkan kegatalan pada haiwan yang cuba memakannya.
Have fine hairs on the leaves or stems that can cause itchiness to animals that are trying to eat them.

Antara tumbuhan berikut, yang manakah **tidak** mempunyai ciri-ciri khas seperti X?
Which of the following plants does **not** have the special characteristics as X?



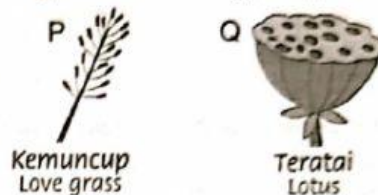
2 Jadual menunjukkan dua kumpulan buah-buahan.
The table shows two groups of fruits.

Kumpulan X Group X	Kumpulan Y Group Y

Bagaimanakah buah tersebut disebar?
How are the fruits dispersed?

	Kumpulan X Group X	Kumpulan Y Group Y
A	Haiwan Animals	Mekanisma letupan Explosive mechanism
B	Haiwan Animals	Air Water
C	Air Water	Angin Wind
D	Angin Wind	Haiwan Animals

3 Rajah menunjukkan dua jenis tumbuhan.
The diagram shows two types of plants.



Kemuncup
Love grass

Teratai
Lotus

Antara berikut, cara penyebaran biji benih yang manakah **betul** bagi tumbuhan tersebut?
Which of the following is the **correct** method of seed dispersal for the plants?

- A P – Haiwan dan Q – Air
P – Animals and Q – Water
- B P – Haiwan dan Q – Angin
P – Animals and Q – Wind
- C P – Mekanisma letupan dan Q – Air
P – Explosive mechanism and Q – Water
- D P – Mekanisma letupan dan Q – Angin
P – Explosive mechanism and Q – Wind

Soalan 4 dan 5
Questions 4 and 5

Maklumat berikut menerangkan ciri-ciri bagi biji benih Z.
The following information describes the characteristics of seed Z.

Z

- Apabila matang, buah akan menjadi kering dan merekah
When ripe, the fruit will become dry and cracks
- Tercampak ke tempat yang jauh
Thrown away to a distant place

4 Apakah agen penyebaran bagi biji benih Z di atas?
What is the agent of dispersal for seed Z above?

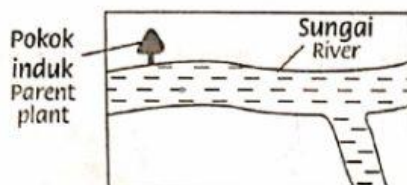
- A Angin
Wind
- B Burung
Birds
- C Serangga
Insect
- D Mekanisma letupan
Explosive mechanism

5 Contoh tumbuhan di atas ialah
The example(s) of plant above is

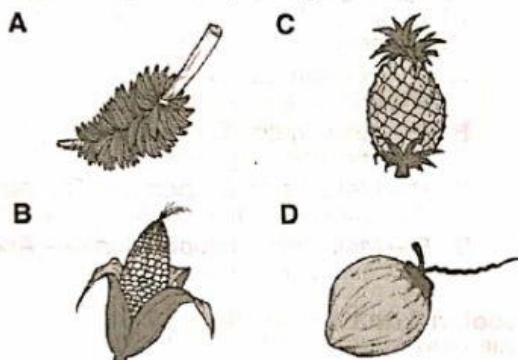
P : Bendi Okra	Q : Peria Bitter gourd	R : Keembung Balsam
-------------------	---------------------------	------------------------

- A P sahaja
P only
- B Q sahaja
Q only
- C P dan R
P and R
- D Q dan R
Q and R

- 6 Rajah menunjukkan kedudukan sebatang pokok induk di tebing sungai.
The diagram shows the location of a parent plant at the river bank.



Antara berikut, yang manakah merupakan biji benih atau buah yang berasal daripada pokok induk tersebut?
Which of the following seeds or fruits is originated from the parent plant?



- 7 Rajah menunjukkan pokok dan buah cempedak.
The diagram shows the tree and cempedak fruit.



Apakah ciri khas buah cempedak supaya tidak dimakan musuh?
What is the special characteristic of cempedak fruit so that not eaten by enemy?

- A Berbulu Hairy
B Beracun Poisonous
C Bergetah Rubbery
D Berakar Rooted

- 8 Jadual menunjukkan jarak penyebaran biji benih daripada pokok induk melalui mekanisma letupan.
The table shows the distance of seed dispersal from its parent plant through an explosive mechanism.

Biji benih Seed	Jarak penyebaran (cm) Distance of dispersal (cm)
W	25
X	40
Y	33
Z	55

Antara berikut, carta palang yang manakah mewakili data di atas?
Which of the following bar charts represents the above data?

