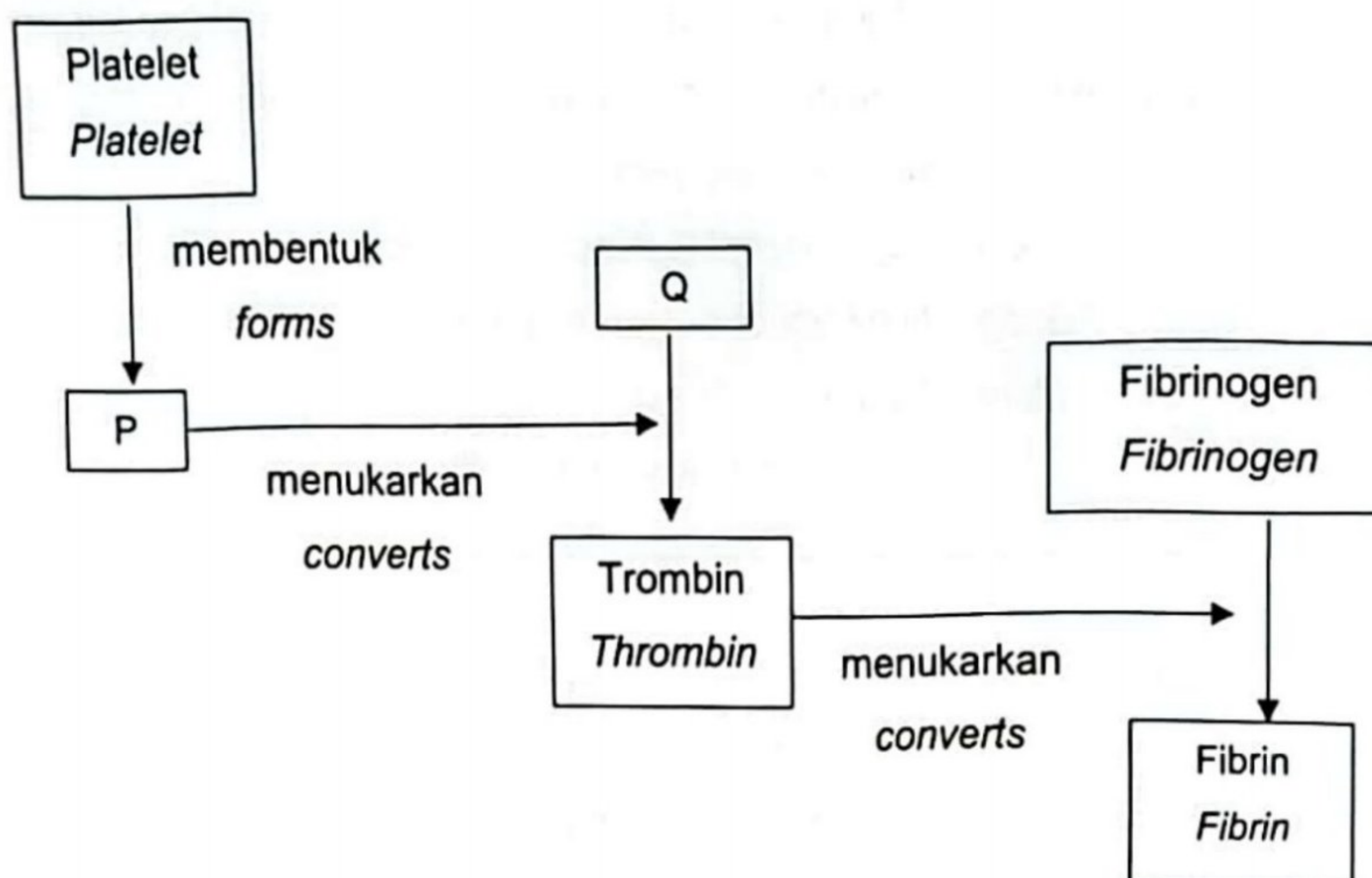


SOALAN 2

2 Rajah 2.1 ialah rajah skema yang menunjukkan mekanisme pembekuan darah pada manusia.

Diagram 2.1 is a schematic diagram showing the mechanism of blood clotting in humans.



Rajah 2.1

Diagram 2.1

(a) (i) Namakan P dan Q.

Name P and Q.

P :

Q :

[2 markah/2 marks]

(ii) Apakah nutrien yang diperlukan untuk menukarkan Q kepada trombin?

What nutrients are needed to convert Q to thrombin?

.....

[1 markah/1 mark]

- (b) Encik S mempunyai kumpulan darah A dan isterinya mempunyai kumpulan darah B. Isteri Encik S kemalangan dan memerlukan pemindahan darah. Encik S bercadang untuk mendermakan darah kepada isterinya.

Wajarkan.

Mr. S has blood group A and his wife has blood group B. Mr. S's wife had an accident and needed a blood transfusion. Mr. S plans to donate blood to his wife. Justify.

.....

.....

.....

.....

.....

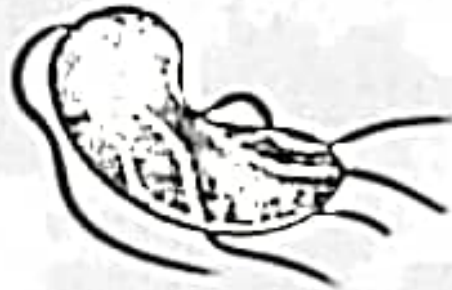
.....

[3 markah/3 marks]

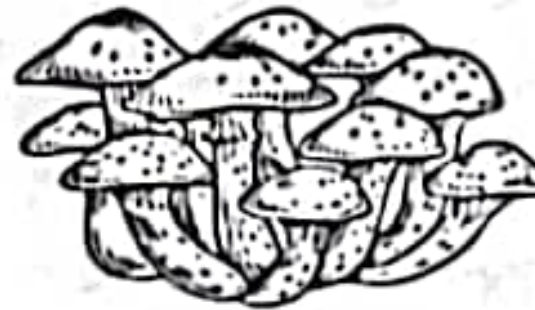
SOALAN 5

5. Rajah 5.1 menunjukkan dua organisma dari alam yang berbeza.

Diagram 5.1 shows two organisms from different kingdom.



A



B

Rajah 5.1

Diagram 5.1

(a) (i) Nyatakan alam yang diwakili oleh organisma A dan organisma B.

State the kingdom represented by organism A and organism B.

Organisma A:

Organism A

Organisma B:

Organism B

[2 markah/2 marks]

- (ii) Berikan **dua** perbezaan antara organisma A dan organisma B.
Give two differences between organism A and organism B.

.....

[2 markah/2 marks]

- (b) (i) Jadual 5.2 menunjukkan hierarki pengelasan bagi sejenis tumbuhan Z.
Table 5.2 shows the classification hierarchy for a type of plant Z.

Pengelasan	Tumbuhan Z
Alam	Plantae
Filum	Angiosperma
Kelas	Magnoliopsida
Order	Malpighiales
X	Rafflesiaceae
Genus	Rafflesia
Spesies	cantleyi

Jadual 5.2

Table 5.2

Apakah X?

What is X?

.....

[1 markah/1 mark]

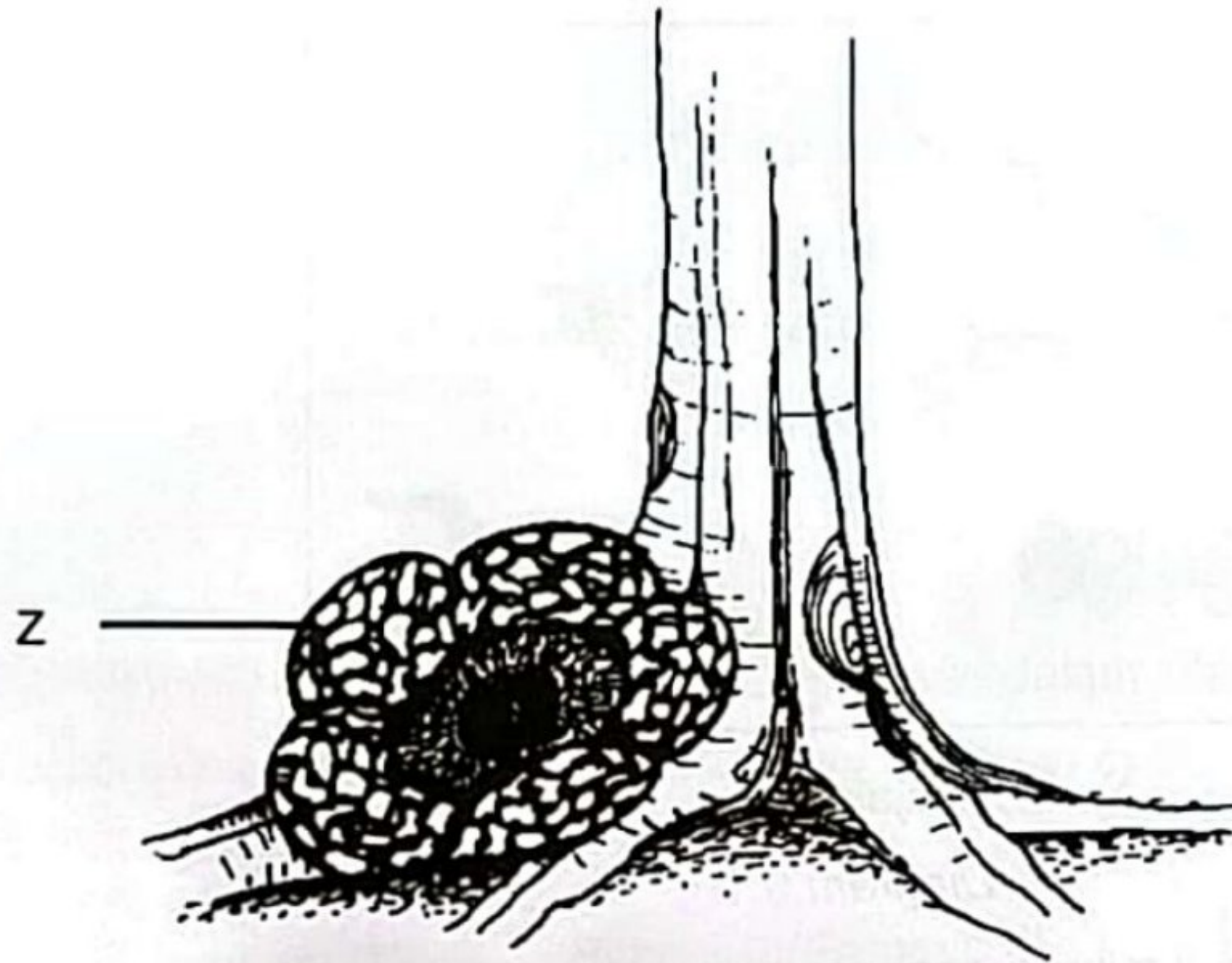
- (ii) Berdasarkan Jadual 5.2, berikan nama saintifik bagi tumbuhan Z.
Based on Table 5.2, give the scientific name for plant Z.

.....

[1 markah/1 mark]

- (c) Rajah 5.2 menunjukkan tumbuhan Z yang hidup menumpang pada tumbuhan lain.

Diagram 5.2 shows plant Z that lives on other plant.



Rajah 5.2

Diagram 5.2

Terangkan penyesuaian nutrisi bagi tumbuhan Z.

Explain the nutritional adaptation of plant Z.

.....
.....

[2 markah/2 marks]

SULIT

(AMAN SEBELAH)

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6. Rajah 6.1 menunjukkan sejenis organisma yang banyak terdapat di Malaysia
Diagram 6.1 shows a type of organism which is available abundantly in Malaysia.



Rajah 6.1 / Diagram 6.1

6(a)(i)

	1
--	---

- (a)(i) Namakan pengkelasan alam bagi organisma dalam Rajah 6.1.
Name the kingdom classified the organism in Diagram.

[1 markah / mark]

6(a)(ii)

	1
--	---

- (ii) Nyatakan satu ciri organisma dalam alam yang dinyatakan dalam (a)(i)
State one characteristic of organism in the kingdom mentioned in (a)(i)

[1 markah / mark]

5(b)

	1
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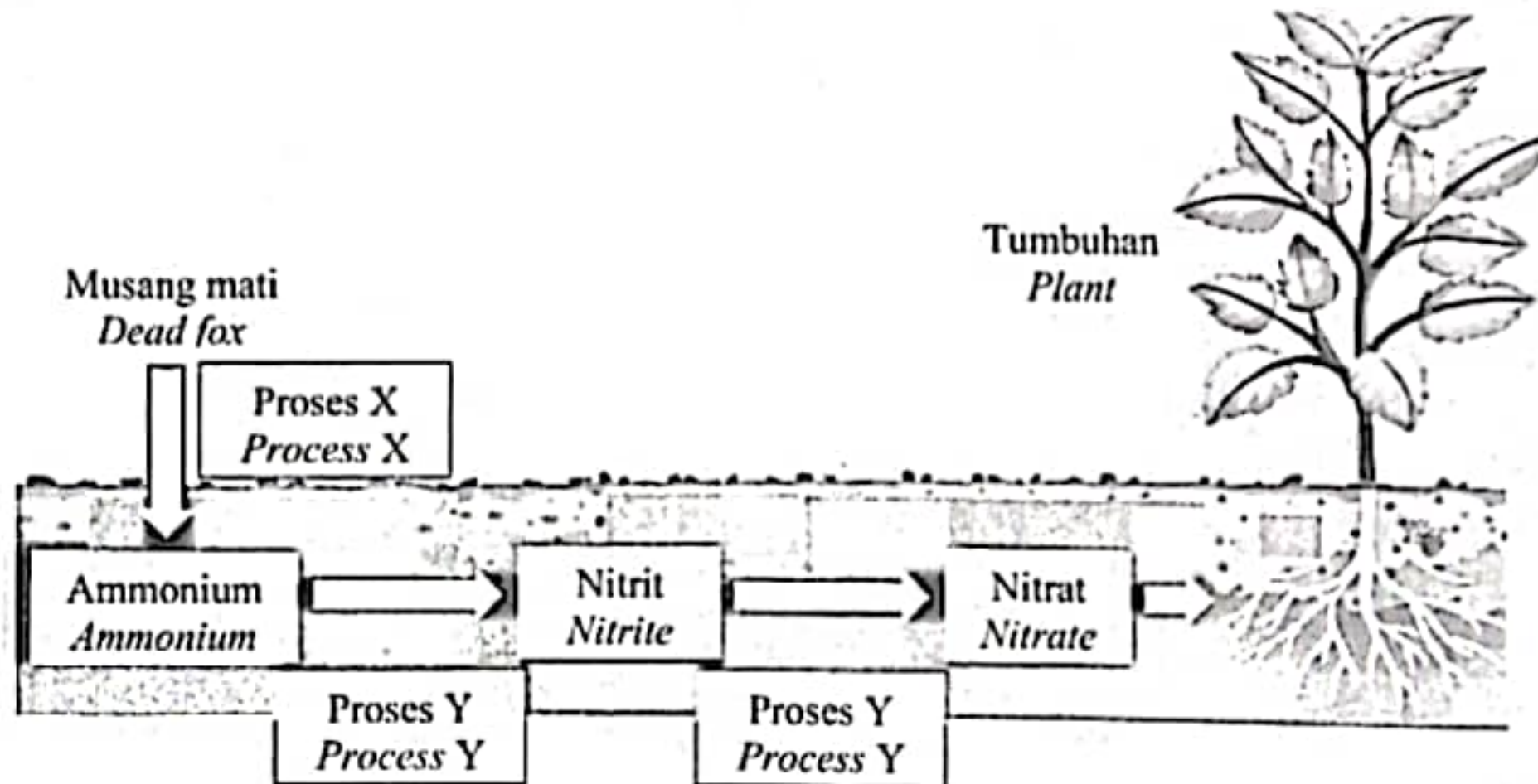
- (b) Setiap organisma telah diberikan nama saintifik oleh saintis mengikut sistem binomial Linnaeus.

Elaeis Guineensis merupakan nama saintifik bagi organisma dalam Rajah 6.1. Terdapat beberapa kesalahan dalam kaedah penulisan nama saintifik organisma tersebut. Tuliskan kembali nama saintifik organisma Rajah 6.1 mengikut kaedah penulisan secara tulisan tangan yang betul.

Each organism is given scientific name by scientist following Binomial Linnaeus system. Elaeis Guineensis is a scientific name for the organism in Diagram 6.1. There are some mistakes in the method of writing scientific name for that organism. Rewrite the scientific name for organism in Diagram 6.1 using the correct method of handwriting.

[1 markah/ mark]

- (b) Rajah 8.2 menunjukkan urutan proses yang berlaku kepada musang yang mati.
Diagram 8.2 shows the sequence of process that happen to a dead fox.



Rajah 8.2/ Diagram 8.2

Berdasarkan Rajah 8.2, terangkan perbezaan antara proses X dan proses Y.
Based on Diagram 8.2, explain the differences between process X and Y.

Proses X Process X	Proses Y Process Y

[3 markah/marks]

- (c) Di Australia, arnab adalah sejenis makhluk perosak. Mereka memusnahkan dan menjejaskan hasil pertanian dengan meragut tanaman secara berlebihan.
Terangkan satu kaedah untuk mengurangkan populasi arnab.
In Australia, rabbit is a pest. They destroy and affect agricultural yields by overgrazing crops.
Explain one method to reduce the rabbit population.

.....

[2 markah/marks]

8(b)

3

8(c)

2

Total

9
