

LATIH TUBI BIOLOGI

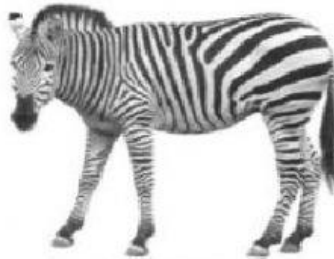
7 Rajah 7.1 menunjukkan tujuh organisma. *Diagram 7.1 shows seven organisms.*



Singa
Lion
Panthera Leo



Gajah Asia
Asian elephant
Elephas Maximus



Kuda belang
Zebra
Equus Quagga



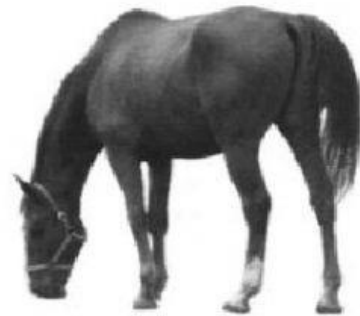
Harimau bintang
Leopard
Panthera Pardus



Pokok bunga raya
Hibiscus plant
Rosa Sinensis



Gajah Afrika
African elephant
Loxodonta Africana



Kuda
Horse
Equus Ferus

Rajah 7.1 *Diagram 7.1*

- (a) Nama saintifik organisma-organisma itu tidak mengikut sistem binomial Linnaeus. Tulis nama saintifik gajah Afrika dengan betul.

The scientific names of the organisms do not follow the Linnaeus binomial system. Write the scientific name of the African elephant correctly.

[1 markah/mark]

- (b) Apakah kepentingan pengelasan organisma?

What is the importance of the classification of organisms?

[1 markah/mark]

- (c) Nyatakan **dua** pasangan organisma dalam Rajah 7.1 yang mempunyai genus yang sama.

*State **two** pairs of organisms in Diagram 7.1 which are in the same genus.*

1. _____

2. _____

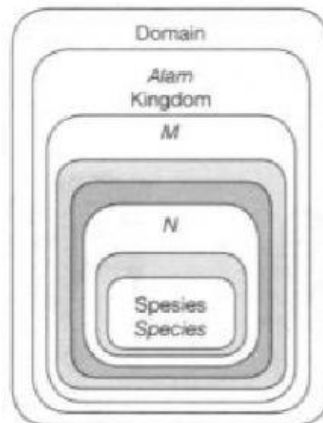
[2 markah/marks]

- (d) Apakah yang dimaksudkan dengan spesies? *What is meant by a species?*

[1 markah/mark]

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- (e) Rajah 7.2 menunjukkan hierarki pengelasan bagi satu organisma.
Diagram 7.2 shows the hierarchy of classification of an organism.



Rajah 7.2 Diagram 7.2

Namakan *M* dan *N*. Name *M* and *N*.

M: _____ *N*: _____

[2 markah/marks]

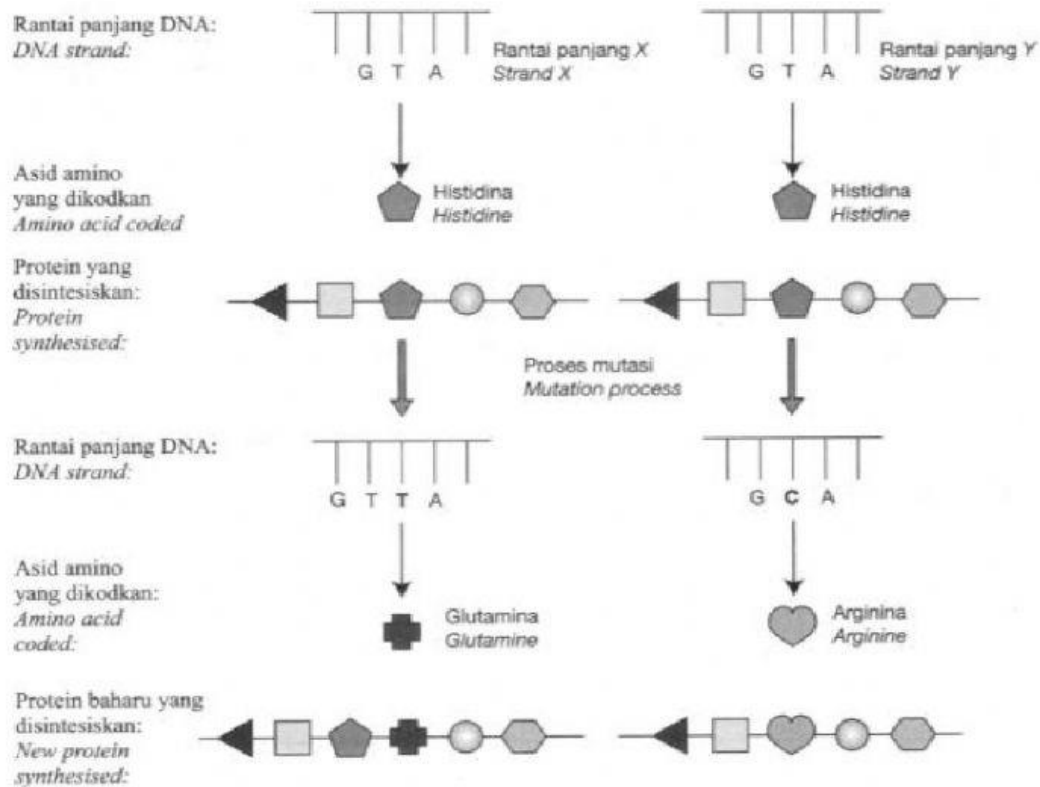
- (f) Lengkapkan jadual berikut. Complete the following table.

Hierarki pengelasan <i>Hierarchy of classification</i>	Organisma <i>Organism</i>	
	Pokok bunga raya <i>Hibiscus plant</i>	Kuda belang <i>Zebra</i>
Alam <i>Kingdom</i>	_____	_____
Kelas <i>Class</i>	_____	_____

[2 markah/marks]

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- 8 Rajah 8.1 menunjukkan mutasi yang berlaku dalam dua rantai DNA yang mengandungi urutan bes GTA. Diagram 8.1 shows mutations that occur in two DNA strands containing the base sequence GTA.



Rajah 8.1 Diagram 8.1

- (a) (i) Namakan jenis mutasi dalam kedua-dua rantai panjang DNA itu.
Name the type of mutation in both the DNA strands.

[1 markah/mark]

- (ii) Terangkan mutasi di (a)(i).
Explain the mutation in (a)(i).

[1 markah/mark]

- (b) Namakan proses mutasi dalam kedua-dua rantai panjang DNA X dan Y.
Name the mutation processes in DNA strands X and Y.

X: _____ Y: _____

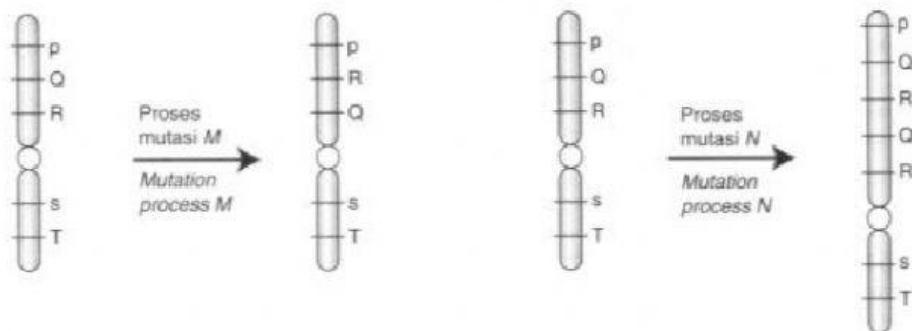
[2 markah/marks]

- (c) Terangkan bagaimana mutasi mempengaruhi trait spesifik yang dikawal.
Explain how the mutation affects the specific traits controlled.

KBAT

[2 markah/marks]

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Rajah 8.2 Diagram 8.2

- (i) Namakan jenis mutasi dalam kedua-dua kromosom itu.
Name the type of mutation in both the chromosomes.

[1 markah/mark]

- (ii) Terangkan mutasi dalam (d)(i).
Explain the mutation in (d)(i).

[1 markah/mark]

- (e) Namakan proses mutasi *M* dan *N*.
Name the mutation processes M and N.

M: _____ *N:* _____

[1 markah/mark]