

1. Diagram 1.1 shows the proprioceptor which found in human muscle.

Rajah 1.1 menunjukkan reseptor regang yang terdapat dalam otot manusia.

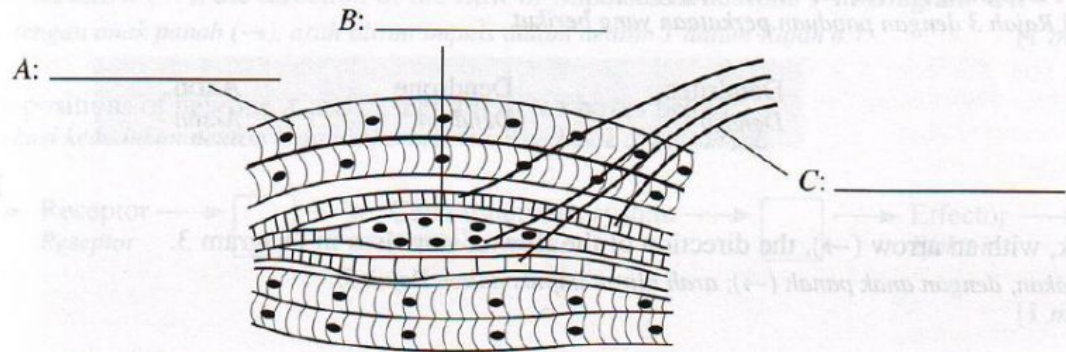


Diagram 1.1

Rajah 1.1

- (a) Label Figure 1.1 by dragging and pasting the word guide below.

Labelkan Rajah 1.1 dengan cara tarik dan letakkan panduan perkataan di bawah ini.

Sensory nerve	Proprioceptor	Muscle
<i>Saraf deria</i>	<i>Reseptor regang</i>	<i>Otot</i>

[3 marks]

[3 markah]

- (b) State **one** function of proprioceptor.

*Nyatakan **satu** fungsi reseptor regang.*

.....

[1 mark]

[1 markah]

- (c) State other part of the body which has proprioceptors.

Nyatakan bahagian lain badan kita yang mempunyai reseptor regang.

.....

[1 mark]

[1markah]

- (d) Diagram 1.2 shows the activity that involving proprioceptors.
Rajah 1.2 menunjukkan satu aktiviti yang melibatkan reseptor regang.

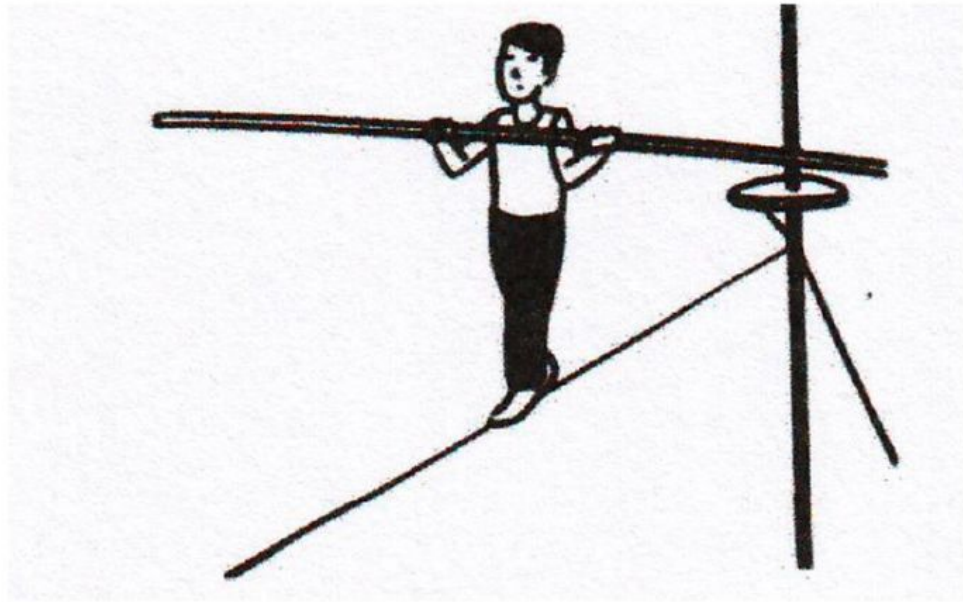


Diagram 1.2
Rajah 1.2

Give **one** other activity that involving proprioceptors.
*Beri **satu** aktiviti lain yang melibatkan reseptor regang.*

.....
[1 mark]
[1 markah]

2. Diagram 2 shows a four stroke-diesel engine.
Rajah 2 menunjukkan enjin diesel empat lejang.

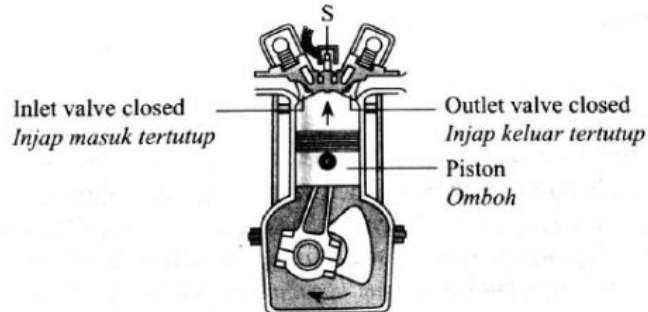


Diagram 2
Rajah 2

- (a) What is the stage of stroke in Diagram 2?
Apakah peringkat lejang yang ditunjukkan dalam Rajah 2?

[1 mark]

[1 markah]

- (b) Name the structure of S and state its function.
Namakan struktur S dan nyatakan fungsinya.

- (i) S:

[1 mark]

[1 markah]

- (ii) Function:
Fungsi :

[1 mark]

[1 markah]

- (c) Match the following vehicles with their respective engines.
Padankan kenderaan berikut dengan enjin masing-masing.

Kenderaan Vehicle	Jenis enjin Type of engine
	Enjin empat lejang Four-stroke engine
	Enjin dua lejang Two-stroke engine

[1 mark]

[1 markah]

- (d) State **one** difference between four-stroke diesel engine and four-stroke petrol engine.

*Nyatakan **satu** perbezaan antara enjin diesel empat lejang dengan enjin petrol empat lejang.*

.....

[1 mark]

[1 markah]

- (e) State **one** advantage of this engine compared to other stroke engine.

*Nyatakan **satu** kelebihan enjin ini berbanding enjin-enjin lejang yang lain.*

.....

[1 mark]

[1 markah]