4

Answers:

The elasticity of natural rubber that has been soaked in sulphur monochloride solution (rubber Q) is higher than the elasticity of natural rubber (rubber P).

Kekenyalan getah asli yang telah dicelupkan ke dalam larutan sulfur monoklorida (getah Q*) lebih tinggi berbanding dengan getah asli (getah* P*).*

(b) (i) You have to state the controlled variable.

Hints:

- factor (variable) which has to be kept the same in this experiment

Answers:

The mass of the weight, length of the natural rubber strip

Jisim pemberat, panjang jalur getah asli

(ii) You have to state the manipulated variable.

Hints:

- factor (variable) which has to be changed in this experiment

Answers:

Natural rubber soaked or not soaked in sulphur monochloride

Getah asli yang telah dicelupkan atau tidak dicelupkan ke dalam larutan sulfur monoklorida.

(c) You have to identify the rubber which is more elastic.

Hints:

- refer to Diagram 4
- compare the extensions made by rubber P and rubber Q
- the more elastic the rubber is, the less the extension made by the rubber will be

Answers:

Natural rubber that has been soaked in sulphur monochloride solution or rubber Q is more elastic.

Getah asli yang telah dicelupkan ke dalam larutan sulfur monoklorida atau getah Q *lebih elastik.*

(d) You have to mark (✓) the objects which are made of natural rubber that has been processed in the same way as rubber Q.

Hints:

Based on the properties of natural rubber that has been soaked in sulphur monochloride solution, i.e. harder, stronger, more elastic

Answers:

		
Tyre *Tayar*	Balloon *Belon*	Shoe sole *Tapak kasut*
✓		✓