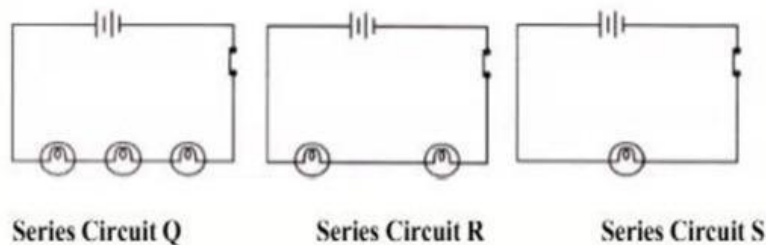


Answer all questions

1. An experiment was carried out to investigate the effect of number of dry cells on the brightness of bulbs. Diagram shows the arrangement of three series circuit with different number of bulbs.



Series circuit	Q	R	S
Number of bulbs	3	2	1
Brightness of bulbs			

a What is the aim of this experiment?

To investigate the relationship between _____
and _____

1 mark

b State the variables :

i manipulated : _____

ii responding : _____

iii constant : _____

3 marks

c State the pattern of change in the brightness of the bulbs.

1 mark

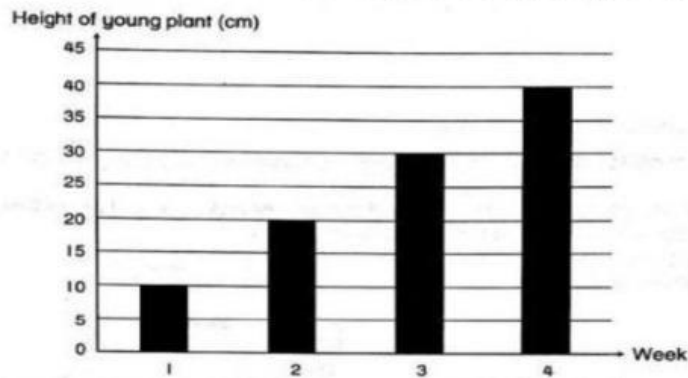
d What conclusion can be made based on the investigation above?

1 mark

e Drag the box below to the complete the brightest of bulbs in circuit Q, R and S

1 mark

The diagram below shows a bar chart on the growth of a young plant in four weeks.



a What is the aim of this investigation?

1 mark

b State the variables :

i manipulated : _____

ii responding : _____

iii constant : _____

3 marks

c State the pattern of change in height of young plant.

1 mark

d What conclusion can be made based on the investigation above?

1 mark

e Predict height of young plant after 6week.

1 mark