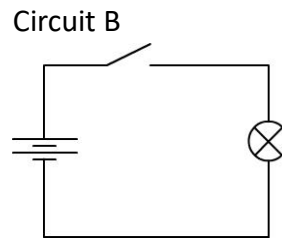
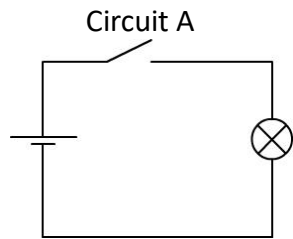


## Grade 7 Technology Worksheet

### Comparing circuits

1.1 Use the following easy electrical circuit boards and connect the circuits. Answer the questions that follow.



1.1.1 Compare the lamps in A and B.

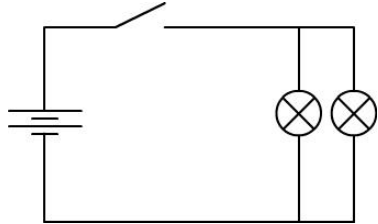
1.1.2.1 Which lamp is the brightest?

[2 marks]

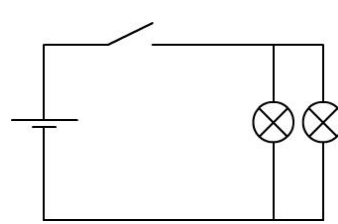
1.1.2.2 Why?

[4 marks]

1.2 Connect circuit C



Connect circuit D



1.2.1 Compare the brightness of the lamps in circuits C and D.

1.2.2 Which circuit's lamps are brighter?

[2 marks]

1.2.3 What happens when one lamp is unscrewed?

[2 marks]

[10 marks]

## Grade 7 Technology Worksheet

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### Suggested Solutions

Question number	Possible marks	Answers
1	2 marks	1.1.2.1 B
	4 marks	1.1.2.2 Uses two cells. Voltage higher, current higher.
	2 marks	1.2.2 C
	2 marks	1.2.3 The other will continue burning.

[10 marks]