

8A4 Circuits

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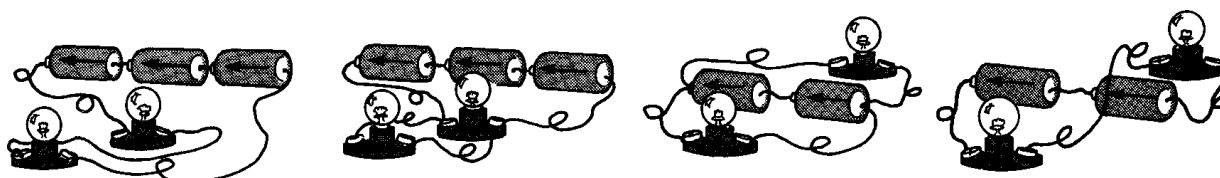
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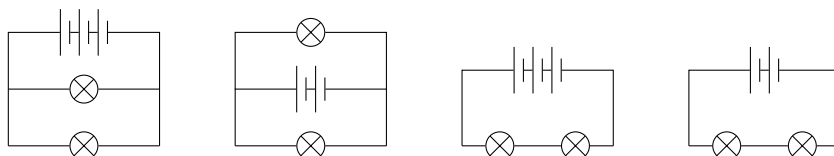
A rough guide as to how the marks are given is as follows:

Effort Grade			Achievement of task	
A	Excellent	this effort grade will rarely be given – to get this mark the work must demonstrate great effort and real clarity	+	Excellent understanding of the work
B	Good	will be given e.g. when a lot of effort has obviously been put into the work or when the work is very clearly set out	=	Good understanding of the work
C	Average	will be given for work which is of a satisfactory, acceptable standard; if you get less than C you must improve the standard at once!	–	Poor understanding of the work
D	Poor			
E	Very Poor			

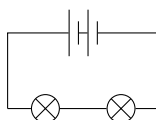
a. The pictures below show some electrical circuits.



Match these up with the circuit diagrams below.



b. The diagram below shows a series circuit.



The bulbs are at normal brightness. Using the words **off**, **dimmer**, **normal** and **brighter**, explain what you think will happen to the bulbs if these changes are made:

- One lamp is unscrewed.
- One cell is turned around.
- Both cells are turned around.
- Another cell is added in the same direction as the others.
- Another cell is added in the opposite direction to the others.
- Another bulb is added.



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