

Current in Circuits

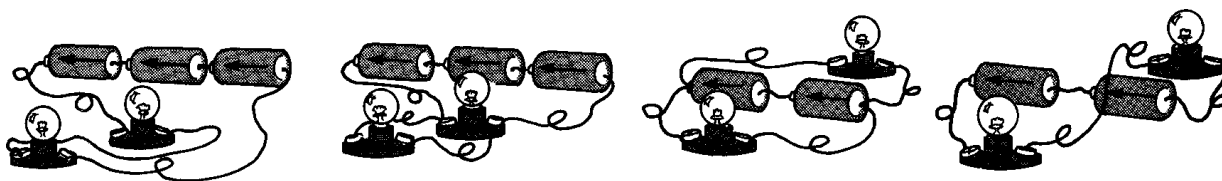
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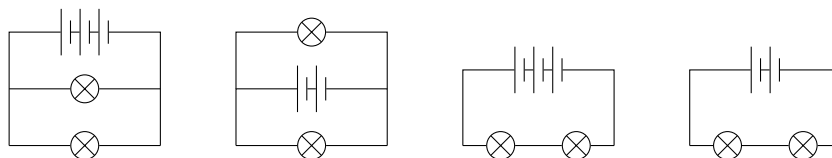
1. Copy out and complete the following sentences:

- (a) In a series circuit, the current is the ... at all points in the circuit.
- (b) In a parallel circuit, at any junction, the current going in to the junction ... the total of all the currents leaving the junction.

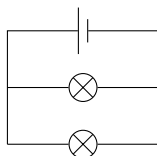
2. The circuits below show two lamps connected to some cells. Which of them are in series?



3. The circuits below show some circuit diagrams. Match these up with the diagrams in question 1.



4. The following circuit shows a parallel circuit with one cell and two bulbs. Initially the lamps are at normal brightness. What is the brightness of the bulbs when the following changes are made (choose from **off**, **dimmer**, **normal**, **brighter**)?



- (a) One lamp is unscrewed.
- (b) Another cell is added.
- (c) Another bulb is put in, in parallel with the others.



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