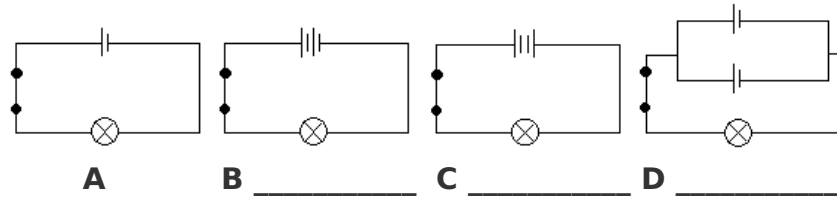





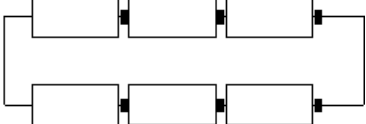



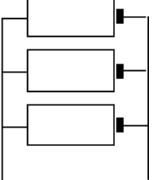
Reading and drawing circuit diagrams

In battery operated appliances, cells need to be placed in a set pattern.

a) Write down how the bulbs would glow in circuits B, C, and D when *compared to circuit A*. Use the words; **not going**, **dimmer**, **same as**, or **brighter**, to describe each circuit.



b) Using the symbol for cells, draw a circuit diagram for how the cells are arranged in each of the appliances below.

Appliance	Diagram of cells in appliance	Circuit drawing of cells
 Torch		
 Radio		
 Walkman		
 Cell phone		

c) Which appliance(s) have their cells arranged in series?

d) Why do some appliances have their cells arranged this way?
