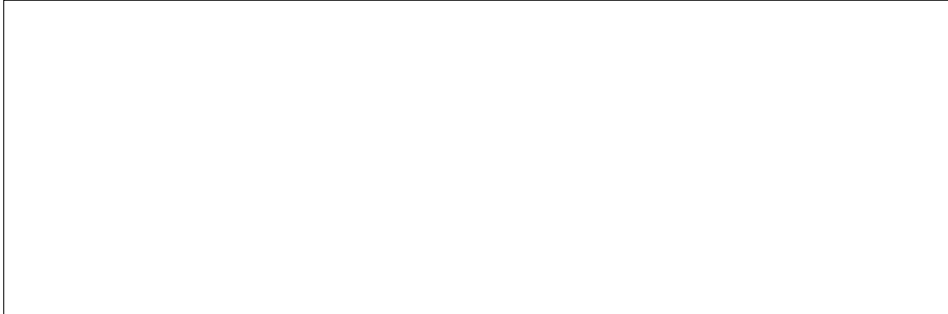


Fuses



What is the anatomy of a fuse? Draw and label a diagram, indicating the materials used.



Draw a symbol for a fuse.



A fuse has 3A printed on the side. Explain in your own words what happens as the current increases from 2A. A series of diagrams may be useful.



Explain the main reasons why fuses are fitted to appliances.

An electric kettle has a power rating of 2500W. Rearrange the formula $P=I \times V$ to work out what current is needed for it to operate. What fuse should be fitted?

Circuit breakers use bimetallic (2 metals) strips or electromagnets. Sketch diagrams of both below. Describe how each works.

