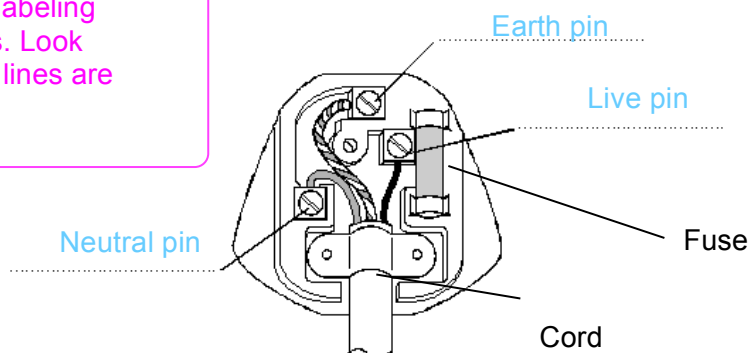


- 1 The diagram shows a three-pin plug that is used in the UK.

Be careful when labeling diagrams like this. Look carefully with the lines are pointing,



- 1 (a) (i) Label the parts on the diagram.

(3 marks)

- 1 (b) Name a suitable material that can be used to produce:

The cord

Rubber or Plastic [1 mark]

Reason

Because it is a good insulator or its a poor conductor. [1 mark]

The pins

Metal/brass [1 mark]

Reason

Because it (metal/brass) is a good conductor of electricity. [1 mark]

(4 marks)

- 1 (c) (i) State the colour of wire that is connected to the fuse

Brown [1 mark]

bRown - Right
bLue - Left

(1 mark)

1 (c) (ii) The fuse is a device in the plug that is added for safety and reduce the chances of electric shock.

Describe how the fuse works in order to ensure safety when using the plug.

When/if current gets too high [1 mark]

The fuse melts or breaks or blows [1 mark]

The current stops [1 mark]

(3 marks)

1 (c) (iii) A hair dryer is made with a double plastic casing. Which wire is not present in the plug of this hair dryer? Circle the correct answer.

Live wire

Earth wire

Neutral wire

Fuse wire [1 mark]

(1 marks)

If there is more than one is circled, then no marks.

Total (12 marks)

END OF QUESTIONS