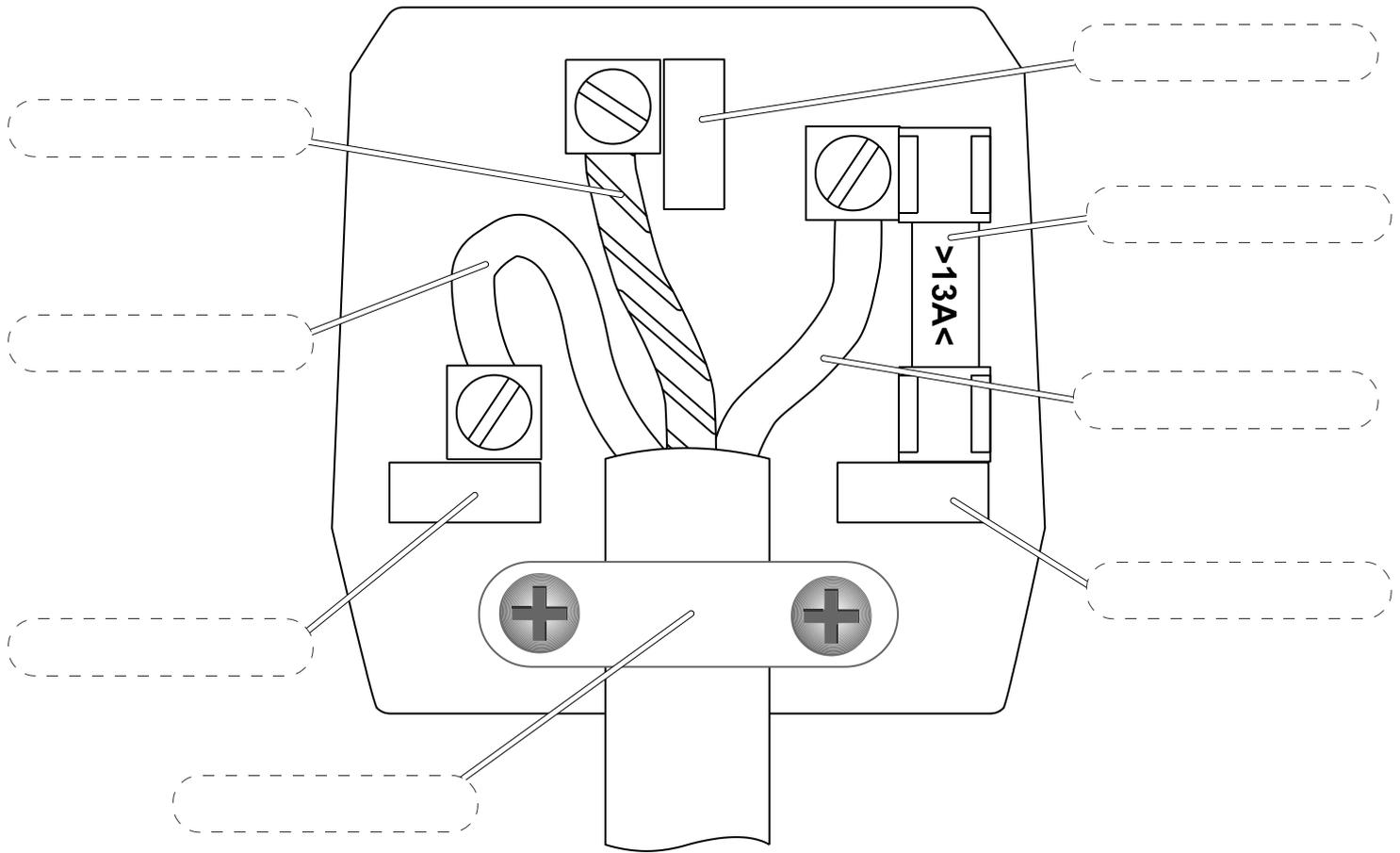


The three-pin plug



Colour in the live, neutral and earth wires then put the following terms into the correct positions on the diagram:

- live wire** **earth wire** **neutral wire** **fuse**
cable grip **live pin** **earth pin** **neutral pin**

Use the same terms above to fill in the gaps in the following text (Hint: only three of the terms are actually used):

The earth wire

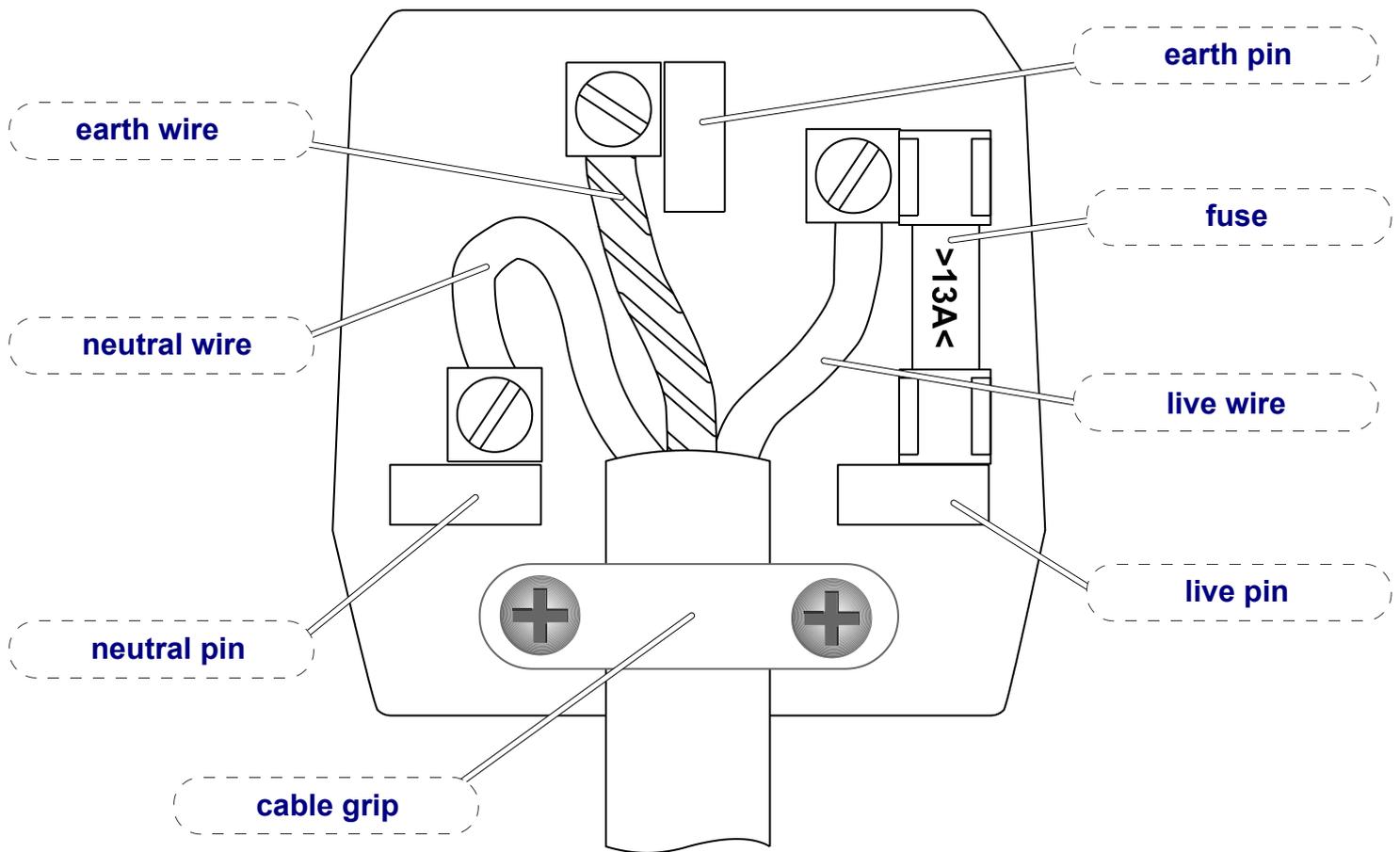
In electrical appliances such as a kettle or washing machine the _____ is connected to the metal casing. If a fault develops and a _____ touches the metal casing a large current flows to earth via the earth wire which blows the _____. The _____ (like a switch) must be placed in the _____ so that when it blows the appliance is isolated.

A nice memory aid to learn where the different colour wires go is this:

BRown: **B**ottom **R**ight **BL**ue: **B**ottom **L**eft **ST**riped: **S**ituated **T**op (i.e. the only place left)

(Answers)

The three-pin plug



Colour in the live, neutral and earth wires then put the following terms into the correct positions on the diagram:

live wire earth wire neutral wire fuse
cable grip live pin earth pin neutral pin

Use the same terms above to fill in the gaps in the following text (Hint: only three of the terms are actually used):

The earth wire

In electrical appliances such as a kettle or washing machine the earth wire is connected to the metal casing. If a fault develops and a live wire touches the metal casing a large current flows to earth via the earth wire which blows the fuse. The fuse (like a switch) must be placed in the live wire so that when it blows the appliance is isolated.

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