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:** Bottom Right   **BLue:** Bottom Left   **STriped:** Situated Top (i.e. the only place left)
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.

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

- **BR**own: **Bottom Right**
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