

Please choose the correct answer for each question.

The diagram below shows the wiring in a 3-pin plug.



(a) Label the wiring system in the 3-pin plug, in the space provided above by using the words given.

Live wire

Neutral wire

Earth wire

(b) Match wire A, B and C with the correct characteristic.

| Wire | Characteristic                            |
|------|---|
|      | The following voltage is 240 V            |
|      | Excess current is channelled to the Earth |
|      | International colour code is blue         |

c.) State a safety features that can be found in a 3-pin plug to break the circuit when too much current flow through it, which exceeds the fuse rating.

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d.) Explain what will happens when too much electrical appliances are plugged into one socket?

Too much \_\_\_\_\_ flow through the circuit \_\_\_\_\_ and

a lot of heat. The heat will cause the circuit wiring to \_\_\_\_\_

. This \_\_\_\_\_ could \_\_\_\_\_  
 wire \_\_\_\_\_ insulation and may cause a \_\_\_\_\_

melt

fire

current

overheat

generate