

Answer on Question #52265, Physics, Other

Question

Which of the following appliances may not require electrical power to operate

pressing iron

microwave oven

refrigerator

dessert spoon

Answer

dessert spoon

Question

2 The potential difference across an appliance is measured in -----

watta

ampres

volts

ohms

Solution

Voltage (potential difference) is measured in volts, V

Answer

volts

Question

3 The ratio of the potential difference across an appliance to the current flowing through it is measured in -----

volts

ohms

watts

ampres

Solution

The ratio of the potential difference (V) across an appliance to the current (I) flowing through it is a constant – resistance. This is Ohms law.

Answer

ohms

Question

4 In the wiring of a three - pin plug, which of the following colour combinations is appropriate ?

blue yellow black

black green yellow

red black green

red yellow brown

Solution

E=Earth=Green&yellow wire

L=Live=Brown or Red wire.

N=Neutral=Blue or Black wire.

Answer

red black green

Question

5 Which of the following is suitable as a fuse element?

brass

bronze

lead-tin

silver

Solution

Materials commonly used for fuse elements (or fuse wires) are tin, lead, zinc, silver, copper, aluminium, etc.

Answer

lead-tin

silver