

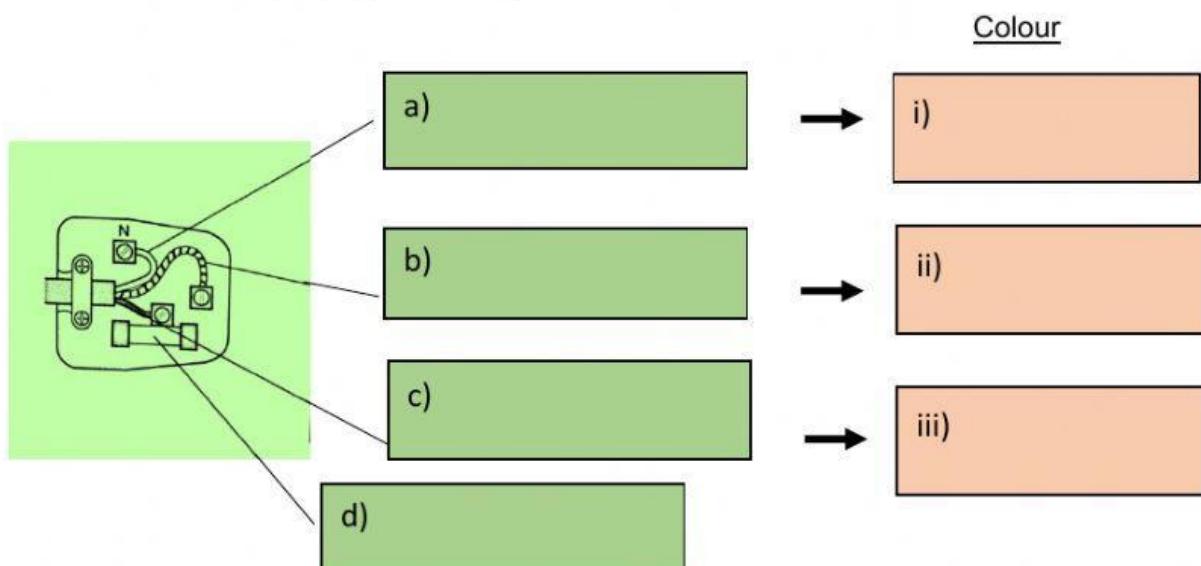
6.3 Transmission and Distribution of Electricity

1. How the electricity is transmitted and distributed to the consumers? Fill in the blanks using the correct words.

step-down	step-up	reduced	National Grid Network
increase	heat energy	electrical	power station

_____ energy generated at _____ have to be distributed to consumers. It is transmitted across the country using a network of high voltage cable known as the _____. During the transmission, some of the electrical energy is lost to the environment as _____. The loss of electrical energy can be reduced by using the _____ transformer which will _____ the voltage. Before distribution to consumer, the voltage will be _____ using the _____ transformer.

2. Label the structure of a 3-pin plug in the diagram below and state the colours of the wire.



3. Match the examples of the appliances for 2-pin plug and 3-pin plug correctly.

Types of plug	Example
a) 2-pin plug	i) Radio
b) 3-pin plug	ii) Refrigerator iii) Oven iv) Electrical mosquito repellent