

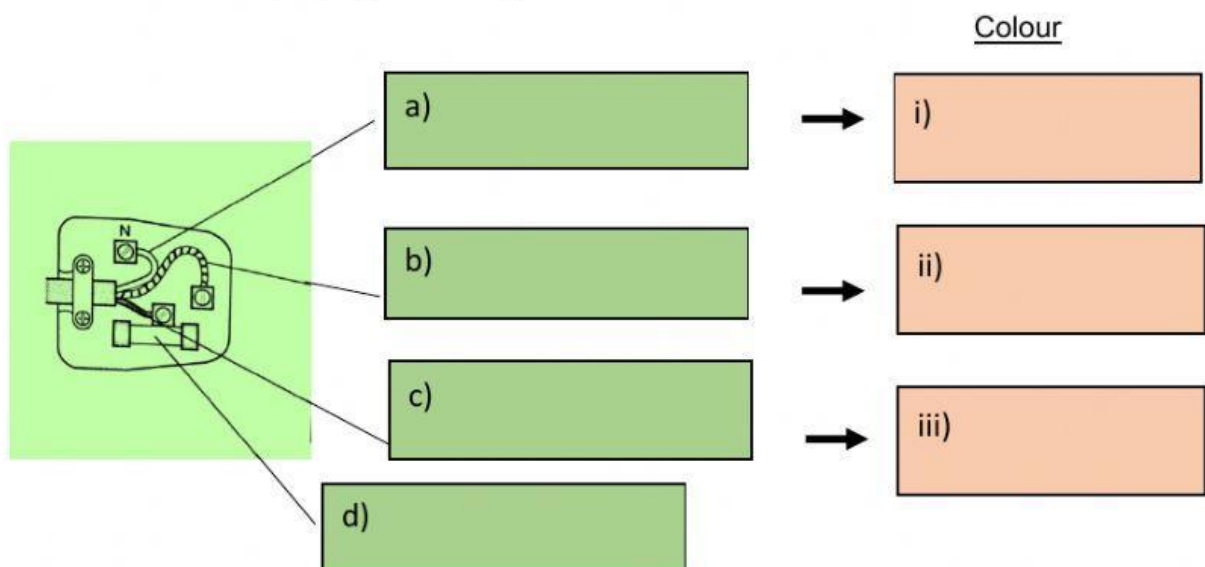
### 6.3 Transmission and Distribution of Electricity

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 lost 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