

Name: _____ Date: _____

Synthetic Fibres and Plastics

Q1. Describe an activity to show that thermoplastic is a poor conductor of electricity.

Ans. _____

Q2. Differentiate between biodegradable and non-biodegradable materials.

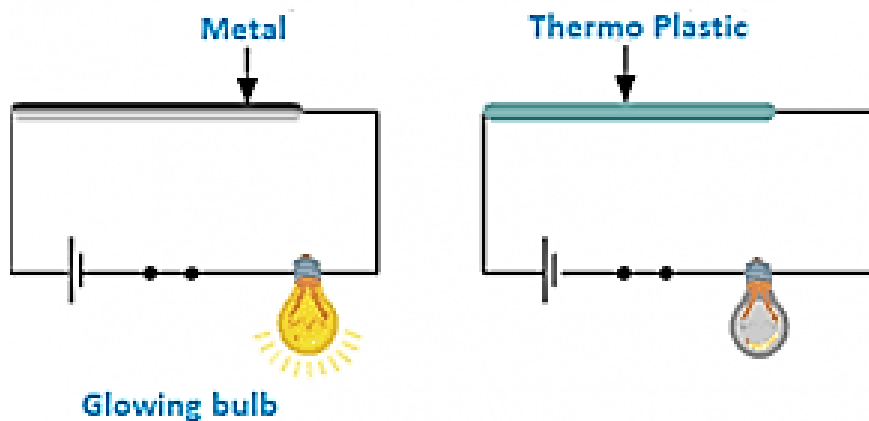
Ans.

Biodegradable materials	Non-biodegradable materials

Synthetic Fibres and Plastics

Q1. Describe an activity to show that thermoplastic is a poor conductor of electricity.

Ans. In order to show that thermoplastic is a poor conductor of electricity, we will design a circuit. For that, we need a bulb, some wires, a battery, a piece of metal and a plastic pipe. After switching on the current, the bulb glows in the former case. In the latter case, the bulb does not glow. Hence a plastic pipe (which is a thermoplastic) is shown to be a poor conductor of electricity.



Q2. Differentiate between biodegradable and non-biodegradable materials.

Ans. Difference between biodegradable and non-biodegradable materials

Biodegradable materials	Non-biodegradable materials
1. A material which gets decomposed through natural processes, such as action by bacteria, is called biodegradable.	1. A material which is not easily decomposed by natural processes is termed as non-biodegradable.
2. Example: Peels of vegetable and fruits, leftover foodstuff, Paper, Cotton cloth, Wood, Woollen clothes etc.	2. Example: Tin, aluminium, and other metal cans, Plastic bags etc.