

Name: _____ Date: _____

Synthetic Fibres and Plastics

Q1. Give three advantages of polythene over natural materials.

Ans. _____

Q2. What are the advantages of artificial silk over natural silk?

Ans. _____

Q3. 'Manufacturing synthetic fibres is actually helping conservation of forests'. Comment

Ans. _____

Q4. Explain why the following are made of thermosetting plastics.
(a) Saucepan handles
(b) Electric plugs/switches/plug boards

Ans. _____

Synthetic Fibres and Plastics

Q1. Give three advantages of polythene over natural materials.

Ans. Three advantages of polythene over natural materials are:

- i. It is light, strong and durable.
- ii. It can be rolled into sheets.
- iii. It does not react with water and air.

Q2. What are the advantages of artificial silk over natural silk?

Ans. Rayon is obtained by chemical treatment of wood pulp.

Advantage

- i. It is cheaper than silk and can be woven like silk fibres.
- ii. It can also be dyed in a wide variety of colours.

Q3. 'Manufacturing synthetic fibres is actually helping conservation of forests'. Comment

Ans. Natural fibres are obtained from plants and animals, which means cutting off lots of trees. This leads to deforestation. But synthetic fibres are obtained by chemical processing of petrochemicals and hence help in conservation of forests.

Q4. Explain why the following are made of thermosetting plastics.

- (a) Saucepan handles
- (b) Electric plugs/switches/plug boards

Ans. a. Saucepan handles are made of thermosetting plastics because it is a poor conductor of heat.

b. Electric plugs/switches/plug boards are made of thermosetting plastics because it is a poor conductor of heat and electricity.