

8th Synthetic Fibres and Plastics



Q. 1 Fill in the blanks.

1. The small unit of a polymer is called
2. and are common thermosetting plastics.
3. Non-stick cookwares are made from
4. PVC stands for
5. Rayon is also known as
6. is a substitute for glass.

Q.2. Match items in Column A with items in Column B.

Column A

1. A polymer of ethylene
2. A polymer of polyvinyl chloride
3. A polymer of styrene
4. A polymer of propene
5. A polymer of tetrafluoroethylene

Column B

- (a) Teflon
- (b) Polypropylene
- (c) PVC
- (d) Polystyrene
- (e) Polythene
- (f) Perspex

Q.3. Tick (✓) the only correct choice amongst the following.

1. Which one of the following is a natural fibre?
(a) polythene (b) PVC (c) nylon (d) wool
2. Which is used for making parachutes and stockings?
(a) cotton (b) nylon (c) wool (d) bakelite
3. Which of these is a thermosetting plastics?
(a) polystyrene (b) bakelite (c) polythene (d) PVC
4. Which fibre is made from wood pulp?
(a) rayon (b) nylon (c) polyester (d) acrilon
5. Nylon is a polymer which is termed as
(a) polyamide (b) polyester (c) polyamine (d) none
6. Which is a polymer of tetrafluoroethylene?
(a) PVC (b) teflon (c) melamine (d) nylon
7. Which is used for making thermocole?
(a) polystyrene (b) perspex (c) teflon (d) melamine
8. Lens coating is done by
(a) melamine (b) bakelite (c) polythene (d) teflon



9. The monomer of polythene is
(a) ethylene (b) styrene (c) both (d) none
10. Which one of the following is a synthetic polyamide fibre?
(a) nylon (b) rayon (c) cotton (d) polyester

Subjective Evaluation

E. Answer the following in one word or very briefly.

1. Why do we call some fibres as synthetic?
.....
2. Why are electrical plugs and switches made from bakelite?
.....
3. Give two examples each of natural and synthetic fibres.
.....
4. Why do cooking pans have plastic handles?
.....
5. What material is used for making thermocole?
.....
6. Which artificial fibre is made from wood pulp?
.....

7. Which one is the oldest man-made fibre?
.....
8. Which synthetic fibre is commonly used for making ropes?
.....
9. What is a plastic?
.....
10. Name a polymer and its monomer.
.....



F. Answer the following in brief.

1. Why do we use plastic containers for storing food?
2. State one difference between thermoplastic and thermosetting plastic.
3. Give two uses of each of the following: nylon, polyester, acrylic.
4. Why are ropes made of nylon used in cranes?
5. What is a polymer?
6. Define polymerisation.
7. Name two types of plastics known to you.
8. In what respect synthetic fibres are superior to natural fibres?
9. State two uses of PVC.
10. State two disadvantages of using plastics.

G. Answer the following in appropriate detail.

1. Why are plastics considered as environmental hazards?
2. List five steps you would take to reduce the danger of plastic pollution.
3. What is the difference between biodegradable and non-biodegradable materials?
4. What are thermoplastics and thermosetting plastics? Give two examples of each.
5. State four advantages of synthetic fibres.

