

## Synthetic fiber

1. Identify followings as thermoplastics and thermosetting plastics

Toys, electrical switch, handles of utensils, comb, kitchen ware, bucket, floor tiles, telephone instruments, bucket, crockery

2. Identify followings as natural and man-made fibers

Woolen clothes, silk saree, tooth brush, paper, nylon socks, cotton clothes Toys, switch, utensils, comb, crockery, bucket, tiles, telephone instrument

### Question

1. A polymer which is used for making fire resistant fabric

2. Which type of clothes should be worn while working in kitchen or lab?

3. One use of the following

a) Rayon b) nylon c) polyester d) acrylic e) Bakelite

4. Which of the two nylon or cotton is used for making parachute and ropes?

5. Compare natural and synthetic fiber giving two examples each.

6. Define monomer and polymer giving example

7. What is synthetic fiber? What are their advantages over natural fibers. Four points

8. Rayon is obtained from a natural source but it is considered a man-made fiber. Why? Write two points

9. Acrylic can replace natural wool. Give three advantages of acrylic

10. What is plastic? Differentiate between two types of plastics with examples.

11. Plastic is a versatile material. Comment

12. Differentiate between bio degradable and non-bio degradable substances

13. Why should plastics be used judiciously? Write three points

14. Why plastics objects should not be burned?
15. Handles of cookers are made of Bakelite. Why?
16. Plastics containers shouldn't be used to store chemicals. Why?
17. Write down the uses of  
Polyesters, acrylic, melamine, PVC, Teflon,  
PET
18. What are 3R stand for?
19. How nylon is made of? Characteristics and uses of nylon
20. What are two types of arrangements of plastics?
21. Full form of PET and PVC
22. Your mother is wearing synthetic clothes while cooking in the kitchen, on the basis of your knowledge about synthetic fibers, explain to her the danger
23. Two general properties of plastics
24. Write two characteristic properties of synthetic fibers which make them popular dress material
25. Mention two uses of plastics in health care industry
26. Two properties of polyester
27. Why polythene is banned today?

Fill up

1. .... is known as artificial silk
2. Cotton is made up of.....
3. .... Is a type of synthetic fiber resembles wool in its properties

Give reason

1. We should not wear synthetic clothes while working in a kitchen

2. Plastic should not be burned
3. Nylon is used to make ropes
4. Rayon is an alternative silk
5. Handles of cooker are made of bakelite
6. Plastic containers can be used to store chemicals
7. Two properties of polyester

Name these

- a) The sweet- smelling substances present in fruits
- b) Synthetic fiber used to make sweaters
- c) These plastics get deformed on heating
- d) The polymer is used for making nonstick cookware
- e) It is used to make fire proof articles
- f) A polyester which is used to make bottles
- g) Artificial fiber having properties similar to silk
- h) A polymer which is used for making fire resistant fabric

Write the monomer and uses of

Nylon

Bakelite

Melamine

Teflon

Polythene

Cellulose

Bakelite

Differentiate

1. Thermosetting and thermoplastic
2. Synthetic and natural fiber
3. Bi-degradable and non -biodegradable
4. Polymer and monomer