



INDIAN SCHOOL DARSAIT
DEPARTMENT OF CHEMISTRY
WORKSHEET



Subject : SCIENCE Topic : **Synthetic Fibres and** Date of Worksheet : 20-4-18
Plastics

Resource Person: Mr. Harikrishnan P

Name of the Student : _____ Class & Division : VIII--- Roll Number : -----

1. What are Polymers? Give two examples. 1
2. Which of the following fibre is made from a raw material obtained from plants? 1
(a) Nylon (b) Acrylic (c) Terylene (d) Rayon
3. Fill in the blanks: 1
(a) Cellulose is made up of monomer named -----
(b) Synthetic fibres are prepared from raw material called -----
(c) Terylene is an example of a -----
4. A synthetic fibre, which is a substitute for wool: 1
(a) Nylon (b) Polyester (c) Acrylic (d) PVC
5. How is Rayon and Nylon obtained? 2
6. What is PET? Mention its two important uses. 2
7. What are the properties of Nylon and Polyester fibres? 2
8. Write any two uses of Acrylic fibres. 2
9. Write any two uses of Nylon and Rayon fibres. 2
10. Give reason : 2
(a) Bakelite is used to make electrical switches and plugs.
(b) We should not wear synthetic clothes while working in kitchen or in labs.
11. Name a fire resistant plastic. Also give its important uses. 2

12. Identify the monomer of the following: 2
 (a) Polythene (b) PVC (c) Polystyrene (d) Polypropene
13. Write some uses of plastics in health care industry. 2
14. Why are plastics used widely in the industries and household articles? 2
15. How will you differentiate between Biodegradable and Non-biodegradable substances? 2
 Also write two examples each.
16. What do you understand by '4 R' principle? 2
17. Disposal of plastics is a major problem. Explain Why? 3
18. Match the following : 3

Column - I

- (a) Teflon
- (b) Melamine
- (c) Cotton
- (d) Artificial silk
- (e) Polythene
- (f) Nylon

Column - II

- (1) Natural fibre
- (2) Rayon
- (3) Used for non-stick coating on cook wares.
- (4) Thermosetting plastic
- (5) First fully synthetic fibre
- (6) Artificial wool
- (7) Thermoplastic

19. (a) What are polywool, polycot and terrycot? 3
 (b) Write any three advantages of these fibres over natural fibres.
20. Differentiate between thermoplastics and thermosetting plastics with examples. 3