



INDIAN SCHOOL DARSAIT
DEPARTMENT OF CHEMISTRY
WORKSHEET



Subject : SCIENCE Topic : **Synthetic Fibres and** Date of Worksheet : 20-4-17
Plastics

Resource Person: Mr. Harikrishnan P

Date :

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? (a) Nylon (b) Acrylic (c) Terylene (d) Rayon	1
3.	Fill in the blanks: (a) Cellulose is made up of monomer named ----- (b) Synthetic fibres are prepared from raw material called ----- (c) Terylene is an example of a -----	1
4.	A synthetic fibre, which is a substitute for wool: (a) Nylon (b) Polyester (c) Acrylic (d) PVC	1
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 : (a) Bakelite is used to make electrical switches and plugs. (b) We should not wear synthetic clothes while working in kitchen or in labs.	2
11.	Name a fire resistant plastic. Also give its important uses.	2

12.	Identify the monomer of the following: (a) Polythene (b) PVC (c) Polystyrene (d) Polypropene	2
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? Also write two examples each.	2
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 : <div style="display: flex; justify-content: space-around;"> <div style="text-align: center;"> <p>Column- I</p> <p>(a) Teflon</p> <p>(b) Melamine</p> <p>(c) Cotton</p> <p>(d) Artificial silk</p> <p>(e) Polythene</p> <p>(f) Nylon</p> </div> <div style="text-align: center;"> <p>Column - II</p> <p>(1) Natural fibre</p> <p>(2) Rayon</p> <p>(3) Used for non-stick coating on cook wares.</p> <p>(4) Thermosetting plastic</p> <p>(5) First fully synthetic fibre</p> <p>(6) Artificial wool</p> <p>(7) Thermoplastic</p> </div> </div>	3
19.	(a) What are polywool, polycot and terrycot? (b) Write any three advantages of these fibres over natural fibres.	3
20.	Differentiate between thermoplastics and thermosetting plastics with examples.	3