



INDIAN SCHOOL DARSAIT
DEPARTMENT OF CHEMISTRY
WORKSHEET



Subject : SCIENCE	Chapter: Synthetic Fibres and Plastics	Date : 25-4-19
Resource Person: Mr. Harikrishnan P		
Name of the Student : _____	Class & Division : VIII---	Roll Number : -----

1.	What are Polymers? Give two examples.	1
2.	Identify a non-biodegradable substance from the following. (A) Wood (B) Woollen clothes (C) Aluminium (D) Paper	1
3.	Name the plastic which is used for non-stick coating on cook wares. (A) Teflon (B) Melamine (C) Bakelite (D) Polythene	1
4.	Rayon is different from synthetic fibres because (A) It has a silk like appearance. (B) It is obtained from wood pulp. (C) Its fibres can also be woven like those of natural fibres. (D) It is affordable and durable.	1
5.	Which fibre is used as substitute for wool? (A) Rayon (B) Nylon (C) Acrylic (D) Polyester	1
6.	Identify the material that can be recycled. (A) Cooker handles (B) Plastic toys (C) Telephone instruments (D) Plug boards	1
7.	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
8.	How is Rayon and Nylon obtained?	2
9.	What is PET? Mention its two important uses.	2

10.	What are the properties of Nylon and Polyester fibres?	2
11.	Write any two uses of Acrylic fibres.	2
12.	Write any two uses of Nylon and Rayon fibres.	2
13.	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
14.	Name a fire resistant plastic. Also give its important uses.	2
15.	Identify the monomer of the following: (a) Polythene (b) PVC (c) Polystyrene (d) Polypropene	2
16.	Write some uses of plastics in health care industry.	2
17.	Why are plastics used widely in the industries and household articles?	2
18.	What do you understand by '4 R' principle?	2
19.	Disposal of plastics is a major problem. Explain Why?	3
20.	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
21.	(a) Write any three advantages of synthetic fibres over natural fibres. (b) Classify the following as thermoplastic and thermosetting plastic. (i) Polythene (ii) Bakelite (iii) Polystyrene (iv) Melamine	3
22.	List a few ways to limit the harmful effects associated with plastic disposal.	3