

Subject – Science Class- 8 Topic – chapter-3

the black plastic bags are made from recycled a smart board smart board smart board	۴.
EVERCISE	0
 A. Tick (✓) the correct options: Which of the following fibres gives wool-like feeling? Which of the following is not a thermoplastic? Which of the following plastics is used for making water pipes? Which of the following plastics is used for making water pipes? Which of the following plastics is used for making water pipes? Which of the following plastics is used for making water pipes? Which of the following plastics is used for making water pipes? Which of the following plastics is used for making water pipes? Which of the following plastics is used for making water pipes? Which of the following plastics is used for making water pipes? Which of the following plastics is used for making water pipes? Which of the following plastics is used for making water pipes? Which of the following plastics is used for making water pipes? Which of the following plastics is used for making water pipes? Which of the following plastics is used for making water pipes? Which of the following plastics is used for making water pipes? Which of the following plastics is used for making water pipes? Which of the following plastics is used for making water pipes? Which of the following plastics is used for making water pipes? Which of the following plastics is used for making water pipes? Which of the following plastics is used for making water pipes? Which of the following plastics is used for making water pipes? Which of the following plastics is used for making water pipes? Which of the following plastics is used for making water pipes? Which of the following plastics is used for making water pipes? Which of the following plastics is used for making water pipes? Which of the following plastics is used for making water pipes? Which of the following plastics is used for makin	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
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Column A (a) thermosetting prove	
1. Biodegradable wastes (C) (b) natural fibre	
2. Air pollution (F) (c) polymer 3. Bakelite (d) making dress materials	
an hip	
r Formica (Q) to burning of plastics	
6. Single large unit (C) (g) making electrical plugs	
7. Linen (b) (h) can be recycled	
8. Terrycot (d)	

1. 2. 3.	Polythe	molecule ne and polyvinyl chloride/polysty its and water pipes are made w e nature.	th plastics due to their the
4.	Rayon	5. Ester	6. PVC and bakelite
1. 2. 3.	Fibres c are hum Polymen number Due to making Refuse, principle	er Type-I Questions: btained through different chemi- han-made or synthetic fibres. r is a very large unit formed b of smaller molecules joined end high tensile strength of the ny bristles of toothbrushes. Reduce, Reuse, Recycle and Re- te. They help to reduce pollution	y the combination of a large to end by chemical bonds. Ion fibres, these are used for
shoi L.	(a) Plas join (b) (i)	Plastic (PVC) is used for making	ery large number of small units ns. g water pipes.
Shoi L.	t Answe (a) Plas join (b) (i) (ii)	stic is a polymer made up of a v ed end to end to form long cha Plastic (PVC) is used for making Plastic (Bakelite) is used for mal	ery large number of small units ns. g water pipes. ting electrical switches and plugs.
shoi L.	rt Answe (a) Plas join (b) (i)	atic is a polymer made up of a v ed end to end to form long cha Plastic (PVC) is used for making	ery large number of small units ns. g water pipes.
Shoi	t Answe (a) Plas join (b) (i) (ii) S.No.	stic is a polymer made up of a vertex ed end to end to form long chat Plastic (PVC) is used for making Plastic (Bakelite) is used for male Thermoplastics Plastics that easily get deformed on heating and can be bent easily are called	ery large number of small units ns. g water pipes. ting electrical switches and plugs. Thermosetting plastics Plastics that once moulded into a shape do not become soft on heating and cannot be moulded again are called

(b) Saucepan handles, electric plugs and switches are made of thermosetting plastics because they are more tough and rigid, and are poor conductors of heat and electricity.

G. Long Answer Questions:

others move

- (i) Plastic wastes do not get completely burnt and produce toxic gase. 1 that cause air pollution.
 - (ii) When plastics are dumped in water, they cause water pollution
 - (iii) Most of the plastics dumped in land fills cause soil pollution.
 - (iv) Polybags carelessly thrown here and there, clog the drains and sewer lines.
 - (v) Throwing of plastics, here and there, provides breeding grounds for disease-causing microorganisms.
- (a) Cooking pans have plastic handles because plastic is poor conductor 2. of heat.
 - (b) Burning of plastic produces toxic gases and smoke that cause air pollution.
 - (c) Electric wires have a plastic covering because plastic is a poor conductor of electricity.
 - (d) Bakelite is used for making electrical switches because it is a poor conductor of electricity.
 - (e) Plastics are strong and durable because they can be moulded into different shapes and sizes.
- 3. Advantages of synthetic fibres:
 - (a) High tensile strength: Synthetic fibres are very strong and have high tensile strength (as they can hold large amount of weight without breaking).
 - (b) Low water absorbing capacity: Synthetic fibres absorb very little amount of water. So, they dry quickly and this property is called drip-dry property.
 - (c) Abrasion-resistant: Most of the synthetic fibres have a high abrasion (wear and tear) resistance. So, the clothes made by these fibres are long lasting or durable.
 - (d) Less expensive: Synthetic fibres are less expensive and more affordable.
 - (e) Good elasticity: Most synthetic fibres are fairly elastic. They can be

H.

stretched or compressed to some extent and on releasing the force, they regain their original shape and size.

- 4. (a) We should avoid the use of plastics.
 - (b) We should clean and dry plastic bags, plastic containers and plastic disposable bottles for reuse.
 - (c) We should carry cotton or jute bags when we go for shopping.
 - (d) We should not throw plastic disposable bottles, polybags, wrappers, etc., on the roads.
 - (e) We should not dispose of articles made of plastic in the sewage system.

HOTS (Higher Order Thinking Skills) Questions:

1. Nylon is used to make fishing nets because it has high tensile strength and is waterproof.