

**Chapter-1**  
**Worksheet-2**

Q.1. Fibre produced in factories is called

- (a) man-made fibre
- (b) natural fibre
- (c) synthetic fibre
- (d) both (a) and (c)

Q.2. PET is a

- (a) polyester
- (b) polyamide
- (c) nylon
- (d) thermosetting polymer

Q.3. Which of the following cannot be recycled?

- (a) Toys
- (b) Cooker handles
- (c) Carry bags
- (d) Plastic chair

Q.4. The plastic which cannot be recycled is

- (a) jute
- (b) rayon
- (c) petrochemicals
- (d) bakelite

Q.5. Bakelite is an example of

- (a) fibre
- (b) elastomer
- (c) nylon
- (d) thermosetting polymer

Q.6. Which of the following is non-biodegradable?

- (a) Paper
- (b) Cotton cloth
- (c) Wood
- (d) Plastic

Q.7. Match the following items given in Column 'A' with that in Column 'B'.

Column 'A'	Column 'B'
Cotton	Thermoplastic
Nylon	Polyester
PVC	Biodegradable
Bakelite	Artificial fibres
PET	Artificial wool
Acrylic	Chain of glucose units
cellouse	Non-biodegradable
Paper	Natural fibre
Plastic Bags	Cook wares

Teflon	Thermosetting
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Q.8. Fill in the blanks with appropriate words:

1. Synthetic fibres are made by .....
2. Many small units combine to form a large single unit called a .....
3. A nylon wire is ..... than steel wire.
4. All the synthetic fibres are prepared using raw materials of petroleum origin called .....
5. Plastics are ..... conductors of electricity.

Q.9. \_\_\_\_\_ is the first fully synthetic fibre.

- A. Acrylic
- B. Polyester
- C. Nylon
- D. Rayon

Q.10. Identify the synthetic fibre which resembles wool.

- A. Rayon
- B. Terylene
- C. Nylon
- D. Acrylic

Q.11. Cotton is a natural polymer. What is its chemical name?

Q.12. List any three properties of plastics.

Q.13. What are the uses of polyester?

Q.14. Write some properties and uses of melamine.

Q.15. Describe about nylon. Write its uses and properties.

Q.16. Write the advantages of synthetic fibres.

Q.17. List the common varieties of polyester. Also mention the natural fibres which are used for blending to enhance their properties.

Q.18. Explain the properties of plastics.

Q.19 'Plastics are hazard to environment'. Explain this statement.

Q.20. List the strategies for plastic waste management.