

**WORK SHEET  
SECOND TERM  
SUBJECT- SCIENCE  
LESSON – SYNTHETIC MATERIALS  
CLASS- VIII**

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I. Define the following :

1. Polymerization
2. Mixed Fibre
3. Hydrophilic substance
4. Hydrophobic substance
5. Plasticity
6. Tensile strength
7. Plastic

II. Name the following :

1. Polymers obtained from petroleum
2. Polymers obtained from natural gas
3. Polymers used as shoe shine
4. Polymers used to make rubber and bubble gums
5. Polymers used to make pipes and crates
6. Blend of cotton and terylene
7. Substitute of natural wool
8. Two varieties of rayon
9. Two types of nylons
10. Two types of polyester

III Differentiate between the following :

1. Thermoplasts and thermosets
2. Natural and synthetic fibres
3. Viscose rayon and acetate rayon

IV Answer the following questions :

1. What are the advantages and disadvantages of synthetic fibre over natural fibre?
2. What are the properties of mixed fibre?
3. Write the uses of synthetic fibre.
4. Explain the process of obtaining the three varieties of rayons.
5. Which properties of acrylics makes it a substitute of wool?
6. Plastic being useful is also hazardous. Explain.
7. Write the types of polymers with their examples.

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