

GURU GOBIND SINGH PUBLIC SCHOOL, CHAS

## WEEKLY ASSIGNMENT

CLASS: VIII SUB - CHEMISTRY

### 3. POLYESTER:

1. Polyester is a synthetic fiber .
2. MONOMER of polyester is ESTER.
3. TERYLENE or DACRON is a popular polyester fiber .

### PROPERTIES OF POLYESTER:

1. It does not get wrinkled .
2. It is strong and light in weight.
3. It absorbs very little water.
4. It dries up very quickly
5. IT can be dyed in different colours .

### NOTES:

1. P E T (POLYETHYLENE TEREPHTHALATE) is a type of polyester which is used to make jars , water bottles etc.

2. BLENDED FABRICS - Polyester is mixed with other fibers to produce BLENDED FABRICS

LIKE:

1. POLYSTER + COTTON = POLYCOTTON
2. TERRYLENE + COTTON = TERRYCOT
3. TERRYLENE + WOOL = TERRYWOOL
4. TERRYLEN + SILK = TERRYSILK

USES: - POLYSTER is used to make jars, water bottles, Shirts, dresses, Sarees , bedsheets, Carpets etc.

### 4. ACRYLIC:

1. ACRYLIC is known as artificial wool .

2. Orlon , Cashmilon and Acrilon are the well known ACRYLIC .

3. ACRYLIC is cheaper and more durable than wool.

PROPERTIES:

1. IT is soft and light weight.
2. IT is easy to wash and dries quickly.
3. IT does not shrink, Stretch or wrinkle.
4. IT is resistant to chemicals and moths.

USES: - ACRYLIC is used to make socks, sweaters, shawls, blankets, rugs etc.

5. LYCRA:

1. LYCRA is a synthetic polymeric fiber.
2. LYCRA is also known as SPANDEX .

PROPERTIES:

1. LYCRA is soft and elastic.
2. It has the ability to stretch and regain its original shape.

USES:

1. LYCRA is used to make body - hugging clothes like undergarments and swimsuits.

Answer the following questions:

1. Which fiber is known as artificial wool?
2. Which fiber is known as SPANDEX ?
3. What is the monomer of POLYESTER?
4. What is PET and what are its uses ?
5. Write any three properties of POLYESTER.



