

NCERT Solution

Fibre to Fabric

Exercise

1. Classify the following fibres as natural or synthetic:

nylon, wool, cotton, silk, polyester, jute

Answer:

Fibres that are obtained from nature i.e. from plants and animals are called natural fibres and those made by humans by chemical methods are called synthetic fibres.

Natural fibres: jute and cotton(obtained from plants), wool and silk (obtained from animals)

Synthetic fibres: nylon, polyester

2. State whether the following statements are true or false:

- a) Yarn is made from fibres.
- b) Spinning is a process of making fibres.
- c) Jute is the outer covering of coconut.
- d) The process of removing seed from cotton is called ginning.
- e) Weaving of yarn makes a piece of fabric.
- f) Silk fibre is obtained from the stem of a plant.
- g) Polyester is a natural fibre.

Answer:

- a) Yarn is made from fibres. (True)
- b) Spinning is a process of making fibres. (False)
- c) Jute is the outer covering of coconut. (False)
- d) The process of removing seed from cotton is called ginning. (True)
- e) Weaving of yarn makes a piece of fabric. (True)

f) Silk fibre is obtained from the stem of a plant. (False)

g) Polyester is a natural fibre. (False)

3. Fill in the blanks:

a) Plant fibres are obtained from _____ and _____ .

b) Animals fibres are _____ and _____ .

Answer:

a) Plant fibres are obtained from fruits and stems .

b) Animals fibres are silk and wool .

4. From which parts of the plant cotton and jute are obtained?

Answer:

Cotton fibres are obtained from the fruit of cotton plants. The fruit of cotton plant is known as cotton balls. Jute is obtained from the stem of jute plants.

5. Name two items that are made from coconut fibre.

Answer:

Two items that are made from coconut fibre are ropes and baskets.

6. Explain the process of making yarn from fibre.

Answer:

The process of making of yarn from the fibre is called spinning. In this process, fibre from a mass of cotton wool are drawn out and twisted. This brings the fibre together to form a yarn.

Spinning is done at home using simple device like hand spindle(takli) and charkha. On large scale machines are used.