

Book exercise.

SYNTHETIC MATERIALS.

Date: 27.06.22

CHECK POINTS.

1.What are synthetic materials?

Ans: Materials made by combining chemicals are called synthetic materials.

2.What are plastics?

Ans: Plastics are a type of synthetic materials that can be moulded into any shape by applying heat and pressure. They are made from crude petroleum oil.

3.State two advantages of plastics.

Ans:Two advantages of plastics

- A) Plastics can be moulded into different shapes by heating
- B) Plastics are tough and bear great pressure.

4.State a major disadvantage of plastics.

Ans:A major disadvantage of plastics is that they do not decay naturally with time. They are non-biodegradable.

A.Tick the correct answer

1. Synthetic materials are made from _____

- A. metals
- B. **Chemicals**
- C. Wood
- D. Jute

2. Nylon is used for making _____

- A. Curtains
- B. Socks
- C. Sleeping bags
- D. **All of these**

3. Ryan is made from _____

- A. paper
- B. Sugar
- C. Chemicals
- D. **Wood pulp**

4 . Fibres made from polyester are _____

- A.cheap
- B. Wrinkle free
- C. Easy to wash
- D. **All of these**

B. Fill in the blanks

1. Plastics can be moulded into any shape by applying **heat** and **pressure**.

2. Cotton and wool are fabrics that we get directly from **natural** source.

3. **Synthetic** fibres are cheaper, stronger and last longer than natural fibres.

4. Polyester is made mainly from a chemical called **ethylene**.

5.Rubber is obtained naturally by **latex** from the rubber tree.

C.Write short Answer.

1.Name four synthetic fibres we commonly use.

Ans: Nylon, rayon, acrylic and polyester are four synthetic fibres we commonly use.

2.State two uses of Nylon.

Ans: Nylon is used in making toothbrush bristles and parachutes.

3.Why do synthetic fibres cause discomfort and skin allergies in summers?

Ans: Fibres made from natural fibres absorb sweat and allow it to evaporate from the skin.

Synthetic fibres do not absorb sweat and moisture easily. Therefore, they may cause discomfort and skin allergies if worn in summer.

4.State any two uses of synthetic rubber.

Ans: Synthetic rubber is used in making tyres and surgical gloves.

D.Answer these questions.

1.What is a material? Differentiate between natural and synthetic materials?

Ans: Material is a substance from which things can be made fill stop some of the materials such as iron Kamala minimum, silver, bold, cotton and would occur naturally. These are known as natural materials. On the other hand, materials such as nylon commerce teal, glass and plastic are made by combining chemicals. Such materials are called synthetic materials.

2.Describe any six advantages plastics.

Ans:**Advantages of plastics**

A)It is easy to mould plastic into different shapes by heating.

B)The plastics can be hard as in an electric switch, or soft and flexible has enwraps and bags.

C)Plastics last long and do not wear out easily.

D)Plastics are law low cost and easily available.

E)They are lightweight.

F)They are tough and can bear great pressure.

3.List three advantages and one disadvantage of synthetic fibres.

Ans:**Advantages of synthetic fibres**

A)Synthetic fibres are stronger and last longer than natural fibres.

B)They are cheaper than natural fibres and are readily available.

C)It is easy to wash the synthetic fibres.

Disadvantages of synthetic fibres

A)Fabrics made from synthetic fibres burn and melt easily. In case of fire, they stick to the skin and cause severe burns.

E. Think and answer complete in your own words