

## Short Answer Questions

**Q. 1. Rohit took with him some nylon ropes, when he was going for rock climbing. Can you tell why he selected nylon ropes instead of ropes made of cotton or jute?**

**[NCERT Exemplar]**

**Ans.** Nylon ropes are strong, elastic and lighter as compared to cotton and jute ropes.

**Q. 2. A lady went to the market to buy a blanket. The shopkeeper showed her blankets made of acrylic fibres as well as made of wool. She preferred to buy an acrylic blanket. Can you guess why?** **[NCERT Exemplar]**

**Ans.** Acrylic blankets are cheap, light in weight, more durable and are available in variety of colours and designs. They can be easily washed at home.

**Q. 3. PVC (polyvinyl chloride) is a thermoplastic and is used for making toys, chappals, etc. Bakelite is a thermosetting plastic and is used for making electrical switches, handles of various utensils, etc. Can you write the major difference between these two types of plastics?**

**[NCERT Exemplar]**

**Ans.** Thermoplastics get deformed easily on heating and can be bent easily on heating. On the other hand, thermosetting plastics when molded once cannot be softened on heating.

**Q. 4. Why should one never wear polyester clothes while working in the kitchen?**

**Ans.** Polyester clothes are synthetic fibre and melt on heating. If the clothes catch fire, it can be disastrous, the fabric melts and sticks to the body, so, one should never wear synthetic clothes while working in the kitchen.

**Q. 5. Discuss the characteristic properties of plastics.**

**Ans. a.** Plastic is non-reactive.

**b.** Plastic is light, strong and durable.

**c.** Plastics are poor conductor.