

**Concept:** Thermosetting Plastic, Thermoplastic

1. The members of the Environmental Club of a school began to collect plastic wastes which were then given to a nearby plastic recycling factory. But of the plastic wastes supplied, some were given back.
- (a) Which type of plastics were given back? (1)
- (b) Why were they given back? (2)

**Score (3) Time (4 minute)**

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**Concept:** Pesticides

2. (a) Which are the bad effects of chemical pesticides that you can highlight in the seminar "pesticides - a potential hazard to life"? (2)
- (b) Can you suggest the precautionary measures that are to be taken during the application of pesticides. (2)

**Score (4) Time (4 minute)**

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**Concept:** Processing of solid wastes

3. Complete the table given below.

Type of waste	Method of processing
Domestic organic waste (vegetable wastes, waste from fish and meat)	.....
Inorganic waste (plastic products)	.....

**Score (2) Time (3 minutes)**

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**Concept:** The role of chemistry in every day life

4. Match suitably those given in the Table below.

A	B	C
(a) Pencillin	Thermoplastic	Carrybags
(b) Polythene	Organochloride	Switches
(c) Bakelite	Antibiotic	Pesticide
(d) Endosulfan	Thermoplastic	Prevent the growth of bacteria

**Score (4) Time (5 minute)**

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**Concept:** The role of Chemistry in every day life

5. Give reason

- (a) Labourers handling cement wear gloves (1)
- (b) Do not throw away plastics after use. (1)
- (c) Do not take antibiotics without the prescription of a doctor (1)
- (d) Do not consume food materials which are produced with the excess application of chemical pesticides. (1)

**Score (4) Time (5 minutes)**

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**Concept:** The role of Chemistry in every day life

6. Match the following

A	B	C
(a) Borosilicate glass	Organophosphate	Laboratory equipments
(b) Malathion	Phenol, formaldehyde	To kill mosquitoes and insects
(c) Bakelite	Boric oxide	To make switches

**Score (3) Time (4 minutes)**

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**Concept:** Thermoplastic, thermosetting plastic

7. From the statements given below, choose those appropriate for thermoplastics.

- (a) Can be recycled and used again
- (b) Chemical change occurs on heating
- (c) Physical change occurs on heating
- (d) Can be remoulded by heating
- (e) Not used for making carry bags

**Score (3) Time (5 minutes)**

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**Concept:** Thermoplastic, thermosetting plastic

8. For those given below, choose the correct examples from the box

Polythene, Bakelite, PVC, DDT

- (a) Thermosetting plastic (1)
- (b) Pesticide (1)

**Score (2) Time (4 minutes)**

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**Concept:** Cement

9. Labourers in construction works usually take the following precautions when they use cement. Why?

- (a) Use rubber/plastic covering on hands and legs. (1)
- (b) Do not keep cement packets opened for a long period. (1)

**Score (2) Time (4 minute)**

**Concept:** Control of pollution caused by plastic

10. Suggest two suitable methods to control the pollution caused by plastic materials.

**Score (2) Time (4 minute)**

**Concept:** Classification and use of medicines

11. Medicines can be classified on the basis of their action. The different groups of medicines and their uses are given in the following table. Complete the table.

Groups	Use
• Analgesics	To reduce pain
• (a) .....	To reduce body temperature
• Antiseptics	(b) .....
• (c) .....	To reduce acidity
• Antibiotics	(d) .....

**Score (4) Time (5 minute)**

**Concept:** Processing solid wastes

12. Processing of solid wastes is a major problem faced by mankind. Suggest two suitable methods for solving this problem.

**Score (2) Time (4 minute)**

**Concept:** Glass

13. (a) Which variety of glass is used as wind glasses in vehicles? How is it made? (2)
- (b) Which is the common raw material used for producing all types of glasses? (1)
- (c) Which glass is used for making lenses and prisms? (1)

**Score (4) Time (5 minute)**

**Concept:** Pesticides

14. Prepare a note substantiating your views regarding the ban of pesticides like Endosulfan.

**Score (2) Time (4 minute)**

**Concept:** Glucose test

15. The examination of the urine sample of a person revealed that he had diabetes. Prepare a table showing the experiment, observation and inference which led to this diagnosis.

**Score (3) Time (5 minute)**