

Substances in Common Use

Chapter 14: Substances in Common Use · Topic 1

Key Concept

Common substances include cleaning agents (like soaps and detergents), food preservatives, and medicines, each with specific chemical properties.

Soaps and detergents work by breaking down grease and dirt, allowing them to be washed away with water using their molecular structure.

Food additives, like preservatives and flavour enhancers, extend shelf life and improve taste, though some require careful regulation.

Understanding the safe use, storage, and disposal of common chemical substances is important for health and environmental safety.

Quick Revision Notes

- Common substances: cleaning agents, preservatives, medicines.
- Each has specific chemical properties.
- Soaps/detergents: break down grease, dirt.
- Uses molecular structure to work with water.
- Food additives: preservatives, flavour enhancers.
- They extend shelf life, improve taste.
- Some require careful regulation.
- Safe use, storage, disposal matter for safety.

Practice Questions

- 1 Research how soap removes grease.
- 2 Discuss why food preservatives are used.
- 3 List three common household chemical substances.
- 4 Discuss safe storage of a chemical substance.
- 5 Research a food additive and its purpose.
- 6 Explain the importance of safe substance use.