

1.1| MATTER

Anything which occupies space, has mass and can be felt by our one or more five senses is known as matter. E.g. air, water, iron etc.

CLASSIFICATION OF MATTER

Matter can be classified on the basis of their physical and chemical properties as:

BASED ON PHYSICAL PROPERTIES MATTER

- 1) Solid
- 2) Liquid
- 3) Gases

BASED ON CHEMICAL PROPERTIES

- 1) Elements
- 2) Compounds
- 3) Mixture

Note: In this chapter we shall study about matter based on their physical properties.

1.2| PHYSICAL NATURE OF MATTER

1. MATTER IS MADE UP OF VERY-VERY SMALL PARTICLES

Example:

- (a) Dissolving of salt (or sugar) in water: the water and salt (or sugar) both are made up of particles, the particles of salt get into the spaces between particles of water.
- (b) If we take 2ml of dettol we can detect smell even in very dilute solution.

2. PARTICLES OF MATTER HAVE SPACE BETWEEN THEM

After dissolving 50gm salt in 100 ml of water, volume of solution remains 100 ml.

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Table of Contents Class 9 Science Notes

1. Understanding the eBook Class 9 Science Notes
 - The Rise of Digital Reading Class 9 Science Notes
 - Advantages of eBooks Over Traditional Books
2. Identifying Class 9 Science Notes
 - Exploring Different Genres
 - Considering Fiction vs. Non-Fiction
 - Determining Your Reading Goals
3. Choosing the Right eBook Platform
 - Popular eBook Platforms
 - Features to Look for in an Class 9 Science Notes
 - User-Friendly Interface
4. Exploring eBook Recommendations from Class 9 Science Notes
 - Personalized Recommendations
 - Class 9 Science Notes User Reviews and Ratings
 - Class 9 Science Notes and Bestseller Lists
5. Accessing Class 9 Science Notes Free and Paid eBooks

- Class 9 Science Notes Public Domain eBooks
 - Class 9 Science Notes eBook Subscription Services
 - Class 9 Science Notes Budget-Friendly Options
6. Navigating Class 9 Science Notes eBook Formats
 - ePub, PDF, MOBI, and More
 - Class 9 Science Notes Compatibility with Devices
 - Class 9 Science Notes Enhanced eBook Features
 7. Enhancing Your Reading Experience
 - Adjustable Fonts and Text Sizes of Class 9 Science Notes
 - Highlighting and Note-Taking Class 9 Science Notes
 - Interactive Elements Class 9 Science Notes
 8. Staying Engaged with Class 9 Science Notes
 - Joining Online Reading Communities
 - Participating in Virtual Book Clubs
 - Following Authors and Publishers Class 9 Science Notes
 9. Balancing eBooks and Physical Books Class 9 Science Notes
 - Benefits of a Digital Library
 - Creating a Diverse Reading Collection Class 9 Science Notes
 10. Overcoming Reading Challenges
 - Dealing with Digital Eye Strain
 - Minimizing Distractions
 - Managing Screen Time
 11. Cultivating a Reading Routine Class 9 Science Notes
 - Setting Reading Goals Class 9 Science Notes
 - Carving Out Dedicated Reading Time
 12. Sourcing Reliable Information of Class 9 Science Notes
 - Fact-Checking eBook Content of Class 9 Science Notes
 - Distinguishing Credible Sources
 13. Promoting Lifelong Learning
 - Utilizing eBooks for Skill Development

- Exploring Educational eBooks
- 14. Embracing eBook Trends
 - Integration of Multimedia Elements
 - Interactive and Gamified eBooks

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