

1. **Matter in Our Surroundings:**
 - a. Define the terms 'matter,' 'solid,' 'liquid,' and 'gas.'
 - b. Explain the concept of diffusion with examples from everyday life.
2. **Is Matter Around Us Pure:**
 - a. Differentiate between mixtures and compounds.
 - b. Explain the process of chromatography and its applications.
3. **Atoms and Molecules:**
 - a. Define an atom and a molecule.
 - b. Illustrate the law of conservation of mass with the help of a chemical reaction.
4. **Structure of the Atom:**
 - a. Draw a labeled diagram of an atom, indicating its subatomic particles.
 - b. Explain the significance of the atomic number and mass number.
5. **The Fundamental Unit of Life:**
 - a. Describe the structure of a plant cell and an animal cell.
 - b. Compare and contrast prokaryotic and eukaryotic cells.
6. **Tissues:**
 - a. Define the term 'tissue.'
 - b. Explain the functions of different types of plant tissues.
7. **Diversity in Living Organisms:**
 - a. Classify living organisms into five kingdoms.
 - b. Provide examples of organisms belonging to each kingdom.
8. **Motion:**
 - a. Define the terms 'distance' and 'displacement.'
 - b. Explain the difference between uniform and non-uniform motion.
9. **Force and Laws of Motion:**
 - a. State Newton's three laws of motion.
 - b. Discuss the effects of force on the motion of an object.
10. **Gravitation:**
 - a. Explain the concept of gravitational force.
 - b. Calculate the weight of an object on the Moon if its weight on Earth is 60 N.