

CLASS 9TH

1. Worksheet on Atoms and Molecules:

- Prepare a worksheet with questions related to atomic structure, molecular formulae, laws of chemical combination, etc.

- Example questions:

- What is the molecular formula of water?

- Define the Law of Conservation of Mass.

2. Project on Separation Techniques:

- Create a project showing various methods of separating mixtures (e.g., filtration, distillation, chromatography).

- Include explanations and real-life examples.

3. - Make a 3D model or chart showing elements up to atomic number 20 with their symbols, atomic numbers, and masses.

4. Report on Acids, Bases, and Salts:

- Write a report on the properties of acids, bases, and salts, with examples.

- Include a simple experiment demonstrating the neutralization reaction.

5. Group Activity: Chemical Reactions:

- List different types of chemical reactions (combustion, decomposition, displacement).

- Perform small, safe experiments like vinegar and baking soda reaction, and document your observations.

6. Research on Environmental Chemistry:

- Write a report on the effects of air and water pollution.

- Suggest measures to prevent pollution and promote sustainability.