

MindSpark

Chemistry Notes

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Chapter 1: Structure of Atom

Atom = nucleus (protons + neutrons) + electrons in shells.

Chapter 2: Periodic Table

Elements arranged in increasing atomic number. Groups show similar properties.

Chapter 3: Chemical Bonding

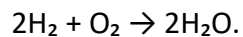
- Ionic bond: transfer of electrons.
- Covalent bond: sharing of electrons. **Chapter 4: Acids, Bases, Salts**

Acid: $\text{pH} < 7$. Base: $\text{pH} > 7$.

Neutralization: $\text{Acid} + \text{Base} \rightarrow \text{Salt} + \text{Water}$.

Chapter 5: Reactions & Equations

Law of conservation: total mass remains constant. Example:



Key Points: Balance equations; memorize common valencies.