

Grade 8 Science Notes: Chemical Reactions

Chemical Reactions are processes where substances are transformed into new substances with different properties.

Types of Chemical Reactions:

1. Combination Reaction:

- Two or more substances combine to form one product.
- Example: Hydrogen + Oxygen $\rightarrow$ Water.

2. Decomposition Reaction:

- A compound breaks down into simpler substances.
- Example: Water $\rightarrow$ Hydrogen + Oxygen.

3. Displacement Reaction:

- An element replaces another in a compound.
- Example: Zinc + Copper Sulfate $\rightarrow$ Zinc Sulfate + Copper.

4. Combustion Reaction:

- A substance reacts with oxygen, releasing energy.
- Example: Methane + Oxygen $\rightarrow$ Carbon Dioxide + Water + Energy.

Reactants and Products:

- Reactants: Starting substances.
- Products: New substances formed.

Indicators of a Chemical Reaction:

1. Color Change.
2. Gas Production (bubbles).
3. Temperature Change (heat release/absorption).
4. Formation of Precipitate.

Importance:

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R Sanford



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Whispering the Strategies of Language: An Psychological Quest through **Physical Science Grade8 Chemical Reaction Pearson**

In a digitally-driven earth where screens reign great and instant transmission drowns out the subtleties of language, the profound strategies and emotional nuances concealed within words often go unheard. Yet, situated within the pages of **Physical Science Grade8 Chemical Reaction Pearson** a fascinating literary treasure sporting with natural emotions, lies an extraordinary quest waiting to be undertaken. Written by an experienced wordsmith, this wonderful opus invites readers on an introspective trip, lightly unraveling the veiled truths and profound impact resonating within ab muscles fabric of each word. Within the psychological depths of the emotional review, we can embark upon a sincere exploration of the book is primary themes, dissect their interesting publishing style, and fail to the effective resonance it evokes deep within the recesses of readers hearts.

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