

**Lesson Goals:**

Students will be able to:

- Learn to classify chemical reactions and how those classifications can help them predict the outcomes of chemical reactions.

**Vocabulary:**

- Synthesis	- Decomposition
- Replacement	- Combustion

**Lesson Agenda:**

- Welcome task
- Explanation
- Activity: Problem solving
- Assessment
- Plenary

**Success Criteria:**

I can:

- Learn to classify chemical reactions and how those classifications can help them predict the outcomes of chemical reactions.

# Classifying Chemical Reactions

**Critical Thinking**  
**What is difference between single and double displacement reaction?**

## Welcome Task

### What are the characteristics of a chemical reaction?

#### Types of Chemical Reactions

##### 1. Combination or Synthesis Reaction



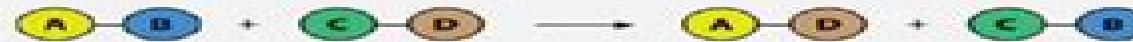
##### 2. Decomposition Reaction



##### 3. Single-replacement Reaction



##### 4. Double-replacement Reaction



##### 5. Combustion Reaction



#### Types of Chemical Reactions

##### Synthesis



##### Decomposition



## Concept Review 83 Classifying Chemical Reactions

**Guillaume Favre**

## Concept Review 83 Classifying Chemical Reactions:

*Chemistry: Core Concepts, 3rd Edition* Allan Blackman, Daniel Southam, Gwendolyn Lawrie, Natalie Williamson, Christopher Thompson, 2024-01-09 The third edition of Chemistry Core Concepts Blackman et al has been developed by a group of leading chemistry educators for students entering university with little or no background in chemistry Available as a full colour printed textbook with an interactive eBook code this title enables every student to master concepts and succeed in assessment Lecturers are supported with an extensive and easy to use teaching and learning package **Scientific and Technical Aerospace Reports**, 1985 **Battelle Technical Review** Battelle Memorial Institute, 1961 **Government Reports Announcements & Index**, 1985-05 **New York Review of the Telegraph and Telephone and Electrical Journal**, 1903 **The School Science Review**, 2000 **Energy**, 1982 **The Electrical Review**, 1918 **The Rhode Island Almanack**, 1974 **Energy: a Continuing Bibliography with Indexes**, 1982 **Chemical Economy & Engineering Review**, 1975 **Applied Kinetics and Chemical Reaction Engineering** Robert L. Gorring, Vern W. Weekman, 1967 **The American Perfumer and Essential Oil Review**, 1945 **The Handbook of Groundwater Engineering** John H. Cushman, Daniel M. Tartakovsky, 2016-11-25 This new edition adds several new chapters and is thoroughly updated to include data on new topics such as hydraulic fracturing CO2 sequestration sustainable groundwater management and more Providing a complete treatment of the theory and practice of groundwater engineering this new handbook also presents a current and detailed review of how to model the flow of water and the transport of contaminants both in the unsaturated and saturated zones covers the protection of groundwater and the remediation of contaminated groundwater **A.S.M. Review of Metal Literature** American Society for Metals, 1967 **Science at Age 15** Great Britain. Dept. of Education and Science. Assessment of Performance Unit, 1988 **Library & Information Science Abstracts**, 1979 **Index to Scientific Reviews**, 1974\* Semiannual An international interdisciplinary index to the review literature of science medicine agriculture technology and the behavioral sciences Includes literature appearing in about 75 full coverage source journals articles with 40 or more references and marked review references in Science citation index data base SCI format with citation source permutterm corporate patent and anonymous indexes also journal lists **New York State Journal of Medicine**, 1961 **Russian Chemical Reviews**, 1997

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at dinner and now what you finalize on race morning

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