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Chemical Reaction & Energy Transfer

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Learning Objectives

- **What is Chemical Reaction?**
- **What is Chemical Equation?**

Examples of Chemical Reactions



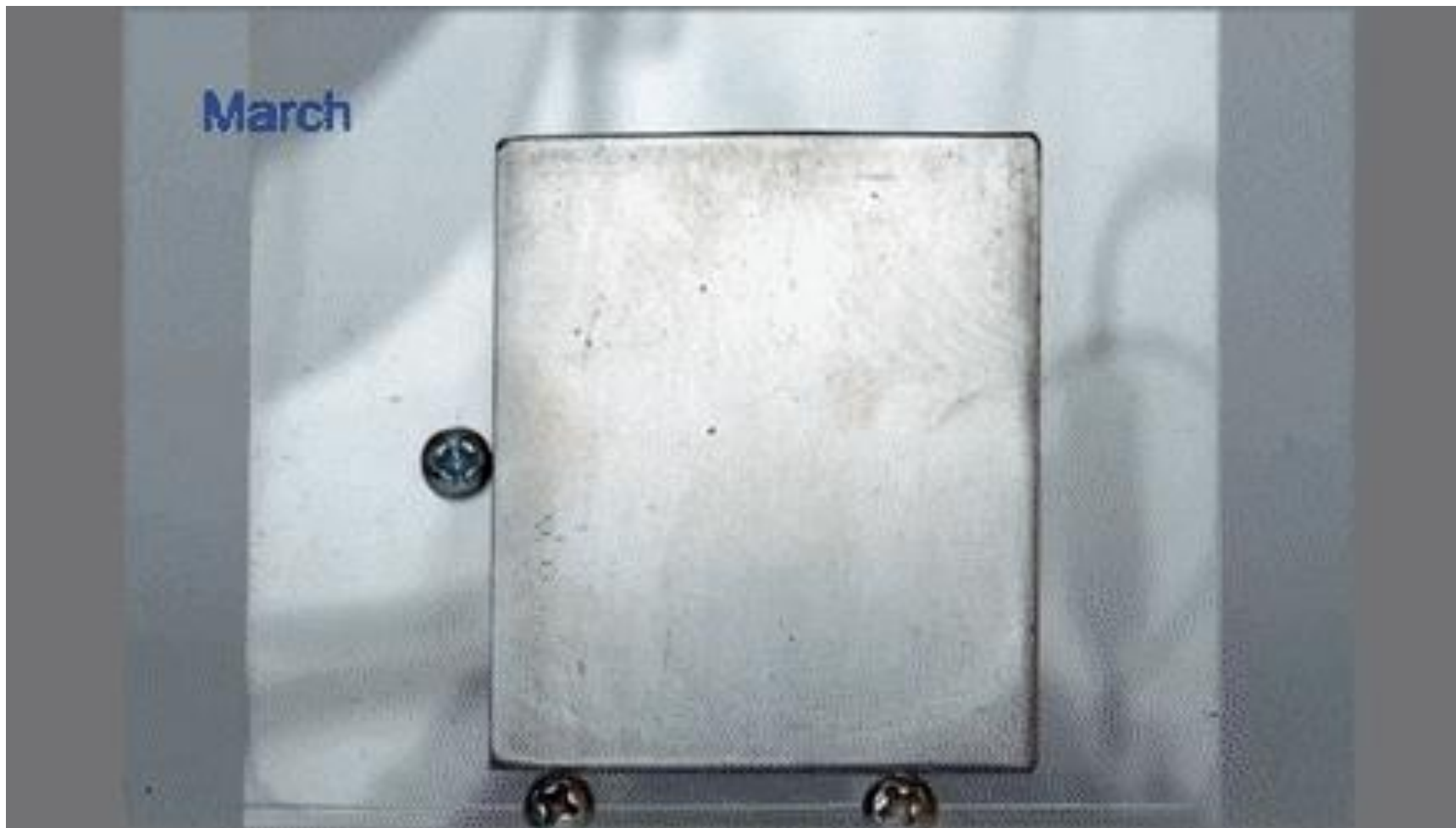
1. Burning

Examples of Chemical Reactions



2. Baking

Examples of Chemical Reactions



3. Rusting

Source: Gfycat

Examples of Chemical Reactions



4. Churning milk to Butter



5. Rotting of Fruits

What is Chemical Reaction?

- **a chemical change**
- **that occurs when two or more substances**
- **combine to form a new substance**

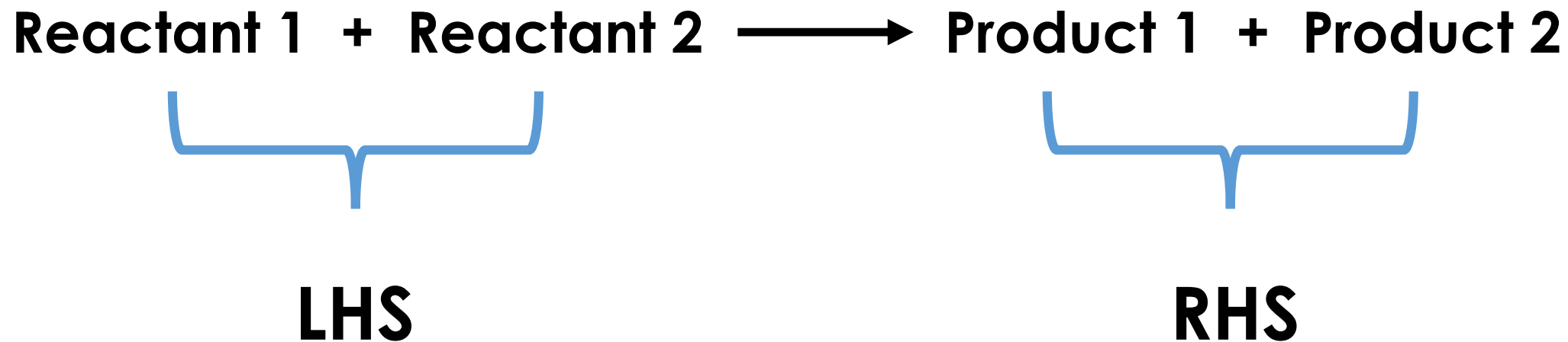
What is Chemical Equation?

- is a symbolic representation
- of chemical reaction

- in the form of symbols and formulae

- where reactants are given on the left-hand side and
- the products are on the right-hand side.

Chemical Equation?



Examples of Chemical Equations

1. Burning of Wood



2. Rusting



3. Displacement reaction of Copper by Zinc



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- **What is Chemical Equation?**