

## CHAPTER OVERVIEW

### 16: Oxidation and Reduction

The rusting of an old car. A burning campfire. A toy battery-operated car. The chemical processes in your body that break down carbohydrates to produce water, carbon dioxide and energy. The ripening of fruit. It's not easy to see what all of these types of reactions have in common, but they all belong to a very important category of chemical reactions known as oxidation-reduction (or redox) reactions.

[16.2: Oxidation and Reduction- Some Definitions](#)

[16.3: Oxidation States- Electron Bookkeeping](#)

[16.4: Balancing Redox Equations](#)

[16.5: The Activity Series- Predicting Spontaneous Redox Reactions](#)

[16.6: Batteries- Using Chemistry to Generate Electricity](#)

[16.7: Electrolysis- Using Electricity to Do Chemistry](#)

[16.8: Corrosion- Undesirable Redox Reactions](#)

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