

Cellular Respiration Explored

Part 1: Cellular Respiration: Food, Breath, Exercise

Cells use the energy stored in the food you eat to make ATP, which powers essential cellular processes.

- Fueling Life's Work
- Energy is Stored and Converted
- Storing Energy in ATP
- The Overall Energetics of Respiration
- Cellular Respiration Overview Video
- What Is So Special About Oxygen?
- Oxygen's Affinity for Electrons
- Redox
- Questions/Activities
- Summary of Part 1

Part 2: Electron Transport Chain (ETC)

The electron transport chain uses the energy stored in molecules such as NADH to charge a battery that is used to make ATP from ADP and phosphate.

- Mitochondria and the ETC
- Meet the ETC Players
- Charging the Battery
- Dissecting the ETC
- Molecular Mechanism of Asphyxiation
- Cyanide Poisoning
- An Effective and Dangerous Diet Drug
- Questions/Activities
- Summary of Part 2

Part 3: Quiz Questions

Quiz Questions

- Quiz Questions