

# SCIENTIFIC DISCOVERIES EVOLUTION

## **CLASSICAL c. 250 BC**

Principle of Buoyancy

*Archimedes*

Foundational law of hydrostatics regarding upward force on submerged objects.

## **REVOLUTION 1687**

Laws of Motion & Universal Gravitation

*Isaac Newton*

Mathematical principles defining the movement of celestial and terrestrial bodies.

## **19TH CENTURY 1859**

Natural Selection

*Charles Darwin*

Mechanisms for biological evolution and the diversification of life.

## **1869**

Periodic Table of Elements

*Dmitri Mendeleev*

Organization of elements based on atomic weight and chemical properties.

## **MODERN 1905 / 1915**

General & Special Relativity

*Albert Einstein*

Redefinition of space, time, and gravity as a curvature of spacetime.

## **1953**

DNA Double Helix Structure

*Watson, Crick, & Franklin*

Molecular model for the storage and transfer of genetic information.

**2012**

**Higgs Boson Particle**

*CERN (LHC)*

Empirical evidence for the field that grants mass to elementary particles.