

Inventions and Discoveries, List, Difference, Discoverer

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Inventions and Discoveries have been central to the progress of human civilization. From simple tools to advanced machines, they have transformed transportation, communication, healthcare, and entertainment. Driven by curiosity, ingenuity, and problem-solving, these breakthroughs not only expand knowledge but also give rise to new industries, businesses, and job opportunities, fueling economic growth and societal development.

Inventions and Discoveries

Inventions and Discoveries have been pivotal in shaping human civilisation and advancing knowledge and technology. They range from simple tools and techniques to complex machines and systems that have transformed transportation, communication, healthcare, and entertainment. Driven by human curiosity, ingenuity, and problem-solving, these breakthroughs often lead to the creation of new industries, businesses, and job opportunities, fueling societal and economic development.

Difference Between Inventions and Discoveries

In the journey of human progress, both Inventions and Discoveries have played crucial roles. While inventions are human-made creations designed to solve problems, discoveries are revelations of pre-existing phenomena or

knowledge. Understanding the Difference Between Inventions and Discoveries helps clarify their impact on science, technology, and society.

Difference Between Inventions and Discoveries		
Aspect	Invention	Discoveries
Definition	Creation of something new that did not exist before	Finding or uncovering something that already exists in nature
Origin	Result of human creativity and ingenuity	Result of observation, exploration, or analysis
Purpose	To solve a problem or fulfill a need	To gain knowledge or understanding
Examples	Telephone, light bulb, printing press	Gravity, electricity, planet Uranus
Focus	Practical application	Knowledge and understanding
Nature	Human-made	Found in nature

List of Inventions and Discoveries

Throughout history, countless Inventions and Discoveries have transformed the course of human civilization. Some notable examples are listed below:

List of Inventions and Discoveries		
Invention/Discovery	Name of the Inventor	Year of Invention
Automatic Calculator	Wilhelm Schickard	1623
Air Conditioner	Willis Carrier	1902
Anemometer	Leon Battista Alberti	1450
Animation	J. Stuart Blackton	—
Atom Bomb	Julius Robert Oppenheimer	1945

Aspirin	Dr. Felix Hoffman	1899
Airplane	Wilber and Orville Wright	1903
Adhesive tape	Richard G. Drew	1923
Bifocal Lens	Benjamin Franklin	1779
Barometer	Evangelista Torricelli	1643
Barbed Wire	Joseph F. Glidden	1873
Blood Group	Karl Landsteiner	1900s
Ball Point Pen	John Loud	—
Bicycle Tyres	John Boyd Dunlop	1888
Pedal Driven Bicycle	Kirkpatrick Macmillan	1839
Celluloid	Alexander Parkes	1861
Chloroform	Sir James Young Simpson	—
Cine Camera	Wm. Friese-Greene	1889
Circulation of blood	William Harvey	1628
Clock Mechanical	Hsing and Ling-Tsan	1725
Diesel Engine	Rudolf Diesel	1892
Centigrade Scale	Anders Celsius	1742

Chlorine	Carl Wilhelm Scheele	1774
Dynamite	Alfred B. Nobel	1867
Diesel Engine	Rudolf Diesel	1895
Electric stove/cooker	William S. Hadaway	1896
Electroscope	William Gilbert	1600s
Electric Fan	Schuyler Wheeler	1882
Electric Battery	Volta	1800
Elevator	Elisha G. Otis	1852
Electric Motor (DC)	Thomas Davenport	1873
Electromagnet	William Sturgeon	1824
Fountain Pen	Petrache Poenaru	1827
Fluorine	André-Marie Ampère	1810
Gramophone	Thomas Edison	1878
Hydrogen	Henry Cavendish	1766
Helicopter	Igor Sikorsky	1939
Hovercraft	Christopher Cockerell	1959
Hot Air Balloon	Josef & Etienne Montgolfier	1783

Helium	Jules Janssen	1868
Insulin	Sir Frederick Banting	1923
Jet Engine	Hans Von Ohain	1936
Lightning Conductor	Benjamin Franklin	1752
Locomotive	George Stephenson	1804
Laser	Theodore Maiman	1960
Light Bulb	Thomas Edison	1854
Motorcycle	Gottlieb Daimler	1885
Microscope	Zacharis Janssen	1590
Microphone	Alexander Graham Bell	1876
Machine Gun	Richard Gatling	1861
Neon Lamp	Georges Claude	1915
Oxygen	Joseph Priestley	1774
Ozone	Christian Schonbein	1839
Piano	Bartolomeo Cristofori	1700
Printing Press	Johannes Gutenberg	1440
Parachute	Louis-Sebastien Lenormand	1783

Polio Vaccine	Jonas Edward Salk	-
Periodic Table	Dmitri Mendeleev	1869
Penicillin	Alexander Fleming	1928
Pacemaker	Rune Elmqvist	1952
Petrol for Motor Car	Karl Benz	1885
Refrigerator	William Cullen	1748
Radium	Marie & Pierre Curie	1898
Rubber (vulcanized)	Charles Goodyear	1841
Rocket Engine	Robert H. Goddard	1926
Radio	Guglielmo Marconi	1894
Richter Scale	Charles Richter	1935
Ship (Turbine)	Charles Parsons	1894
Steam Ship	Robert Fulton	1807
Steam Boat	Robert Fulton	1786
Submarine	Cornelis Drebbel	1620
Stethoscope	Rene Laennec	1816
Saxophone	Adolphe Sax	1846
Sewing Machine	Elias Howe	1846

Steam-Powered Airship	Henri Giffard	1852
Soft Contact lenses	Otto Wichterle	1961
Synthesizer	Dr. Robert Arthur Moog	1964
Thermometer	Galileo	1593
Theory of Evolution	Charles Darwin	1858
Typewriter	Christopher Latham Sholes	—
Transistors	John Bardeen, William Shockley & Walter Brattain	1948
Telephone	Graham Bell	1874
Valve. Radio	Sir J.A Fleming	1904
Vacuum Cleaner	Hubert Cecil Booth	1901
Vitamin A	Frederick Gowland Hopkins	1912
Vitamin B	Christiaan Eijkman	1897
Vitamin C	Albert Szent-Gyorgi	-
Vitamin K	Henrik Dam	1929
Vitamin E	Herbert McLean Evans & Katherine Scott Bishop	
Windshield wipers	Mary Anderson	1903

World Wide Web	Tim Berners Lee with Robert Cailliau	1989
X-ray	Wilhelm Conrad Roentgen	1895
Xerox Machine	Chester Carlson	1928

List of Important Discoveries

Discoveries have expanded our understanding of the natural world, human behaviour, and the universe. By exploring, observing, and analysing phenomena, they have led to new theories, technologies, and ways of thinking.

List of Important Discoveries			
S. No	Discovery	Discoverer	Year of Discovery
1	Structure of DNA	James Watson and Francis Crick	1953
2	Evolution by natural selection	Charles Darwin	1859
3	Laws of thermodynamics	Sadi Carnot, James Prescott Joule, Rudolf Clausius	1824-1865
4	Theory of relativity	Albert Einstein	1905-1915
5	Periodic table	Dmitri Mendeleev	1869
6	Plate tectonics	Alfred Wegener	1912
7	Big Bang theory	Georges Lemaître	1927
8	Quantum mechanics	Max Planck, Werner Heisenberg, Erwin Schrödinger, Paul Dirac	1900-1930s
9	Higgs Boson	Peter Higgs and François Englert	2012
10	Black holes	John Michell and Albert Einstein	1783, 1916

11	Exoplanets	Aleksander Wolszczan and Dale Frail	1992
12	Continental Drift	Alfred Wegener	1912
13	Electron	J.J. Thomson	1897
14	Radioactivity	Marie Curie, Pierre Curie, and Henri Becquerel	1896-1898
15	Neutron	James Chadwick	1932
16	Proton	Ernest Rutherford	1917
17	Cosmic Microwave Background Radiation	Arno Penzias and Robert Wilson	1965
18	Gravitational Waves	LIGO Scientific Collaboration	2015
19	Ozone Hole	Joe Farman, Brian Gardiner, and Jonathan Shanklin	1985
20	Greenhouse Effect	Joseph Fourier, John Tyndall, and Svante Arrhenius	1824, 1861, 1896
21	Dark Matter	Fritz Zwicky	1933
22	Dark Energy	Saul Perlmutter, Brian P. Schmidt, and Adam G. Riess	1998
23	First Supermassive Black Hole	Maarten Schmidt	1963
24	First Black Hole Merger	LIGO Scientific Collaboration	2015
25	First Gravitational Lens	J. H. Oort and F. Zwicky	1937

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