

NEET BIOLOGY Important Dates and Years

Date/Year	Event
➤ 1951	Family Planning
➤ 1971	Medical Termination of Pregnancy (MTP)
➤ 1856 – 1863	Gregor Mendel Experiments
➤ 1865	Mendel published his work on inheritance of characters (but remained unrecognized till 1900)
➤ 1900	Rediscovery of Mendel's results on inheritance of characters by de Vries, Correns, and von Tschermak
➤ 1902	Walter Sutton and Theodore Boveri proposed Chromosomal theory of inheritance
➤ 1891	Henking traced a specific nuclear structure all through spermatogenesis to understand mechanism of sex-determination

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➤ 1866	Langdon described Down's syndrome
➤ 1869	Friedrich Meischer identified DNA as an acidic substance in nucleus and named it "Nuclein"
➤ 1953	James Watson and Francis Crick proposed double helix structure of DNA
➤ 1928	Transforming principle by Fredrick Griffith
➤ 1933 – 44	Biochemical characterization of Transforming principle by Oswald Avery, Colin MacLeod and Maclyn McCarty
➤ 1952	Unequivocal proof that DNA is genetic material by Alfred Hershey and Martha Chase
➤ 1953	Watson and Crick proposed semiconservative DNA replication

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➤ 1958	Experimental proof for semiconservative DNA replication by Matthew Meselson and Franklin Stahl
➤ 1990 – 2003	Human Genome Project (HGP)
➤ May, 2006	Sequence of Chromosome-1 was completed
➤ 20 billion years	Age of universe
➤ 4.5 billion years	Age of earth.
➤ 4 billion years back (500 million years after formation of earth)	Life appeared on earth
➤ 1953	Miller Urey experiment
➤ 3 billion years back	The first non-cellular life originated
➤ 2000 million years ago	First cellular form of life appeared

Date/Year	Event
➤ 1920	The phenomenon of natural selection observed after industrialization in England
➤ 500 mya	Invertebrates were formed and active
➤ 350 mya	Jawless fish evolved
➤ 320 mya	Sea weeds and few plants existed
➤ 350 mya	Fish with stout and strong fins could move on land and go back to water
➤ 1938	Coelencanth was caught in South Africa
➤ 200 mya	Some of the land reptiles (Ichthyosaurs) went back into water to evolve into fish like reptiles
➤ About 65 mya	Dinosaurs suddenly disappeared from earth
➤ 15 mya	Origin of Dryopithecus and Ramapithecus

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➤ 3 – 4 mya	Australopithecus
➤ 2 mya	Homo habilis
➤ 1.5 mya	Homo erectus (Java man)
➤ 100,000 – 40,000 years ago	Homo sapiens neanderthalesis (Neanderthal man)
➤ 75,000 – 10,000	Homo sapiens (Modern man)
➤ 1981	AIDS was first reported
➤ Mid 1960s	Green revolution

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➤ 1972	Construction of first Recombinant DNA by Stanley Cohen and Herbert Boyer
➤ 1963	Two enzymes responsible for restricting the growth of bacteriophage in Escherichia coli were isolated
➤ 1990	First gene therapy given to a four year old girl with ADA deficiency
➤ 1997	The first transgenic cow, Rosie, produced human protein-enriched milk (2.5 grams per litre)
➤ 1920s	The prickly pear cactus introduced into Australia
➤ 1992	“The Earth summit” – Rio de Janeiro

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➤ 1969	Five Kingdom Classification by R.H. Whittaker
➤ 1892	Virus was discovered by Dimitri Ivanowsky
➤ 1935	W.M. Stanley showed virus could be crystallized
➤ 1971	T.O. Diener discovered viroids
➤ 1838	Matthias Schleiden examined a large number of plants and observed that all plants are composed of different kinds of cell which form the tissues of the plant
➤ 1839	Theodore Schwann studied different types of animal cells and reported that cells had a thin outer layer which is today known as 'plasma membrane'
➤ 1855	Rudolf Virchow explained that cells arises from pre-existing cells (Omnis cellula-e cellula)
➤ 1898	Camillo Golgi discovered golgi apparatus

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=> 1898	M. W. Beijerinck coined the term ' Virus '
➤ 1770	Joseph Priestley revealed essential role of air in the growth of green plant
➤ 1774	Joseph Priestley discovered oxygen
➤ 1854	Julius von Sachs provided evidence for the production of glucose when plants grow
➤ 1905	Blackman's law of limiting factor
➤ 1926	Gibberellic acid was discovered by E. Kurosawa
➤ 1955	Miller et al. identified and crystallized cytokinins
➤ Mid 1960s	Inhibitor-B, abscission II and dormin were reported
➤ 1910	H.H Cousins discovered ethylene