

## Competitive Exams: Major Theories in Biology

- Stellar Theory - Pteridophytes
- Viroid discovery by Deinni
- Colloidal nature of protoplasm - Fisher & Hardy
- Pyrimosase & furanose -> Basis of Thermodynamics -> Haworth
- Mark Schultz Proposed protoplasm Theory (later by Hertwig)
- J. E. Purkinje Coined term Protoplasm
- Corti(1772) – 1st observed Protoplasm ,Dujardin – Called it Sarcode
- Leeuwenhoek first Observed animal cell
- Malpighi & Grew Observed plant cell – Bladder & Utricles
- 1st Develop Tissue Culture – Harrison
- Phenomenon of antibiosis – Babes
- Concept of antibiosis – vanilla
- Enzyme diastase – payen & Persoz
- Neo Lamarckism – speneck – medugal
- Scientific Basis of vaccination – Pasteur
- Steroid Conversion – Murray & Peterson
- Neo Darwin – John Ray
- Theory of pangenesis – Darwin
- Theory of Germ layer – Karl von Baer (1792 - 1876)
- Theory of reflex nervous - muller & Marskey
- Theory of organizer concept - Spemann
- Theory of Presumptive organ region - Vogt
- Theory Epigenesis - Wolff
- Vitamin - Axel Holst

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- Enzyme - Eduard Buchner
- Parthenogenesis - Charles Bonnet
- John Ray – Definition of Species
- Rudolf Ludwig Carl Virchow- Omnis Cellula e cellula
- Industrial melanism 1st by Fisher & E.B. ford
- Industrial Melanism Recent by HBD Kettlewell
- Genetics & Origin of Species - Dobzhansky
- Neo Lamarckism – Alpheus S. Packard Jr.
- Neo Darwinism – G.J. Romanes.