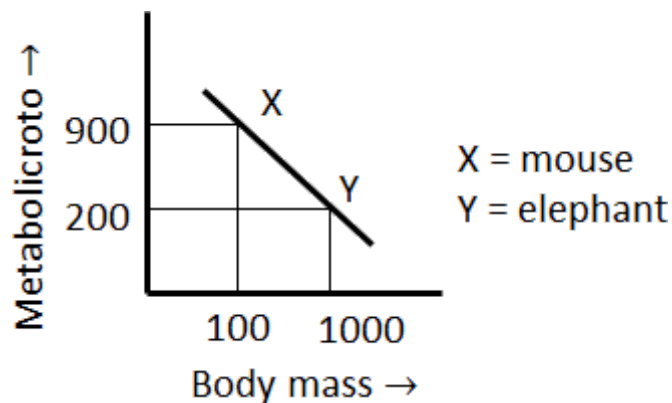


## Examrace

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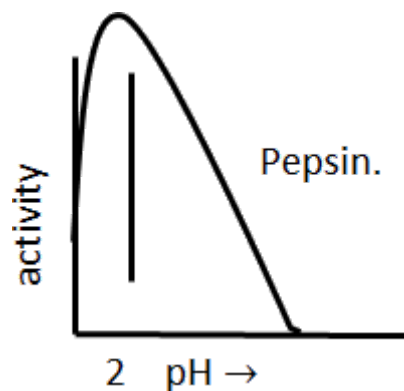
- Sieve tubes → fruct 6<sup>P</sup> isomerase.
- Metabolic rate of ascomycetes in lichens is slow as compared to other fungi because it brings them in eq. with algal metabolism.



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- Muscle cell – excessive exercised & then rested.
- Resolving power  $\propto 1/\tau$  VIBGYOR violet use.
- Resolving power limit  $\propto \tau$ .
- Non decomposed organic content of soil = litter.
- In chloroplast devoid of ps II – photolysis of water will be ab.
- Ribosome – nucleoprotein.
- Paramecium – centrifuged then contents randomly distribute on all sides & not settle – negative geotaxis.
- 1<sup>st</sup> antibody to occur in blood stream = Ig M.

- Absorption of small intestine of human is damaged if liver stop bile – absorption of fat soluble vitamin affected without bile.
- 3D structure best studied by stereoscopic microscope/X ray crystallography.
- Smoking degeneration of living of trachea – cilia most affected.
- Predation is beneficial to prey in stable ecosystem.
- Acoelomate triploblastic, bilateral symmetry = Flatworm.
- Phase of living cell in etheric medium in aerobic condition supplied with labelled CH then  $\text{CO}_2$  will contain  $\text{C}^{14}$ .
- Climbing perch survives out of water due to gill chamber & gills.
- Gorilla is more closely related to man antigenically as compared to jackal.
- Tech for identification of active genes in cell – northern blotting for RNA.
- Interbreeding of closely related individuals share many same genes = Homozygosity.
- When kidney & pancreas of org are exposed to labelled radioactivity is seen in pancreatic cells.
- If family if both husband & wife (both normal) are heterozygous for a condition of infantile blindness. They wish to have at least three children. The probability they all these children normal is – 42 % .
- In dividing cell with  $\text{H}_2\text{O}_2$  spindle ppt due to disulphide bridge show spindle fibre & microtubule are proteinaceous nature.



- A Plant growing wilds in one country brought to other with same latitude & ht. yet remains sterile Due to absence of specific carrier.
- Honey bee locate nectar source with help of sun when inside bee hive they communicate by aligning along gravitational axis.
- 3 strains of virus having different protein coat, allowed to infect plant cell disease produced in plant is identical.
- Molecular bio exp with mRNA base Insert 3 nucleotide C between 3<sup>rd</sup> & 4<sup>th</sup> base the result RNA chain will transcribe for protein essentially the same as before.
- Cell member 6.0 % protein & 40 % phospholipid when centrifuged in null solution of  $\rho = 1.03 \text{ gm/ow}$  it will sediment.
- Amino acid – serine – UCG, UCC, UCA, UCU – coding = degenerate.
- Hb & myoglobin – eng functional.
- Insulin & trypsin – eng. Functional.
- Product of cell = leaf cuticle.
- Movement of venus fly trap by rapid elongation & retraction of cells.
- Fossil hunters – sedimentary rocks that has once been lake.
- Trypanorame (Blood cell)
- M. lepral (skin) .
- Entamoeba (interline) .
- E. Coli (urinary & intestine)
- Leewenhock - microbes –  $1 \mu$  &  $2 \mu$  in a pin head of radius 0.1 centimeter =  $1.5 \times 10^6$ .