181 the cell wall is constituted of polysaccharides which reduces callulose, heuricellulose & pechin.

Plants do not take property of moving have they need protection from leup, wind, maistan variation.

The layer Surrounding the cell membrane is known as cell well, major furetre include.

es high tentile strength, so that it can withstand altomath

En Enfant esmostic pressure.

4 perofection

4 definite shape to the cell.

ment.

cult waith the control of the chand of the change of the chand of the change of

Neuromuscular guneton, Site of communicath (chemical) between a norm fibre and a nursely cell. Ach is synthesised in the pre-synaptic terminal using chlorine and acetyl-cost and engines. It goes through series of modificators before being packaged in resicles.

Upon depolarisation, an action potential travels done, exoin, carrier voltage - gotal calcium to open, resulting in influx of ions in nerve terminal.

Memer oo oo synaphic vexicle

184

Goldonour-troublin-Kotz (GHK) voltage equation, is used in all membrane physiology, to determine the several potential across a cell's membrane.

Egn for M monovalent tre lanic species and A regalive:

Em = RT In ( En PM+ [Mi]tout + Zm PA; [Aj]in )

Zin PM+ [Mi]tout + Zm Pay [Aj]out )

If membrane separative two King, -24 - colutes;

Emnakzet = RI len ( PNa [Nat] out + PK[R+]out + Pa (U-]in)

PNa [Nat]in + Pk[k+]in + Pa [U-]out.

**R**5

Adhre Toansport

concentrate to higher concentre.

- . requires cellules energy ..
- a dynamic in process.
- a highly scleether in nothing
- a carrier proteins are segot.
- if the cell.
- transpères un one direction.

+ types > exactions, endocytosis,
Nork pump.

Parsere Tomper-

- + chacelete from higher concentrates to lower loncentrate sigher.
- a does not requires cellules energy.
- s'it is a physical process.
- -> mily non-selectine.
- a carrier proteins are not regd.
  - , Envolved in the maintainance egblus barel inside the cell.
  - > transpises bidfrectionally.
- a ex: osmoris, diffurion.

96

Alltochordria are known as the pronuctionses of the cell. They are organelles that act like a digertive system which takes in nutrients, break othern down, and creates energy rich molecules for the cell.

These are shaped perfectly to naxionise

paraductivity. They are made of two nandymes (outer & "uner).

Vising grayfren to release energy,

cell are rectized and eventually broken down,

intermentation

peti"

Loufe nembrane

Ribosones