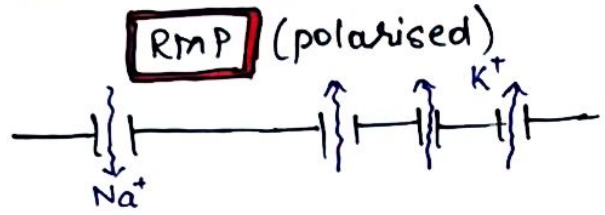
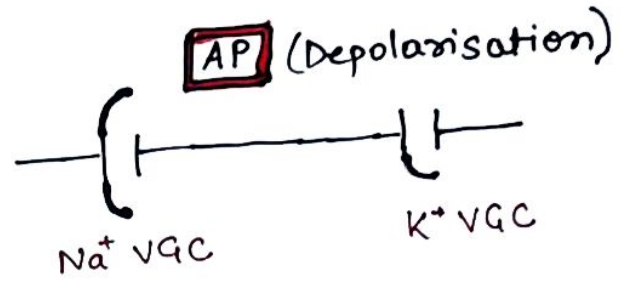


# ACTION POTENTIAL

## CHANNELS :-



Leaky channels  
 ↳ Always open

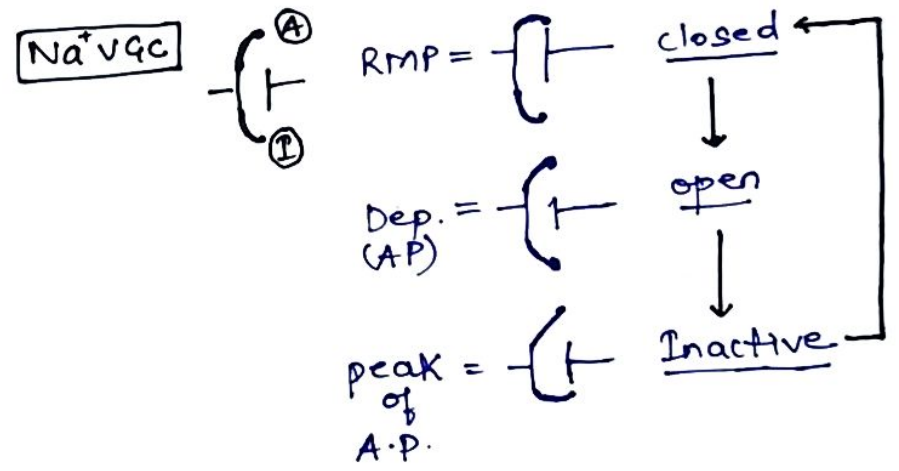


VGC  
 ↳ open when MP changes

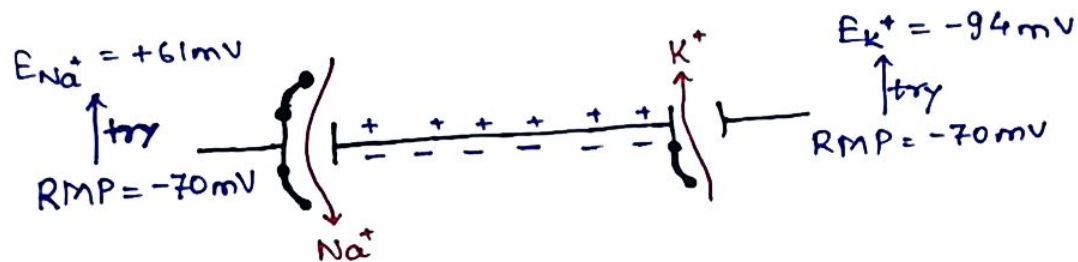
## K<sup>+</sup> VGC :-

close :- only 1 gate

open :-



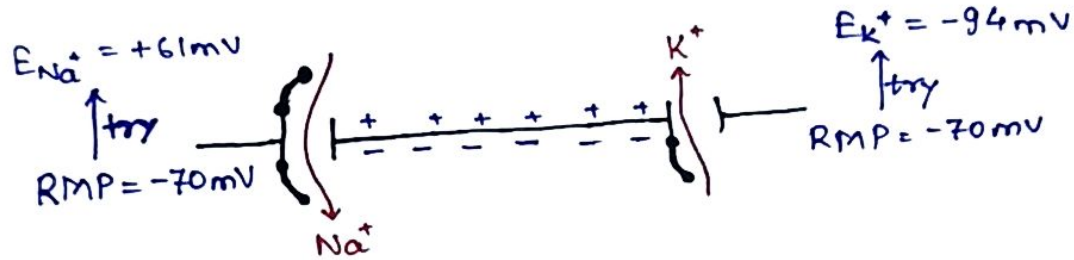
Tendency of VGC :- They try to make memb. potential close to their equilibrium potential



ACTION POTENTIAL :-

→ The electrical response of the membrane to a threshold or greater than threshold stimulus.

Tendency of VGC :- They try to make memb. potential close to their equilibrium potential



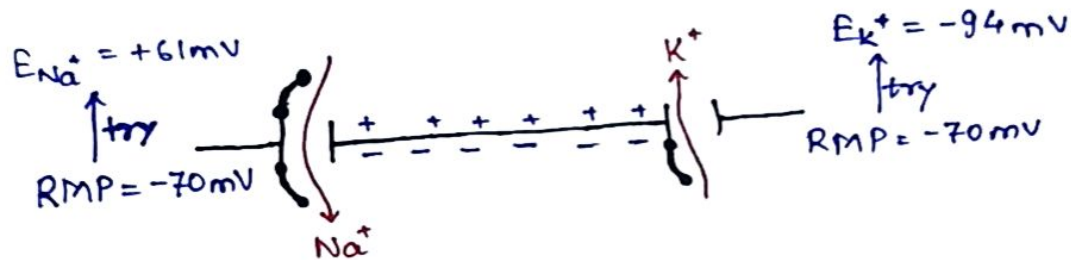
ACTION POTENTIAL :-

→ The electrical response of the membrane to a threshold or greater than threshold stimulus.

Book now



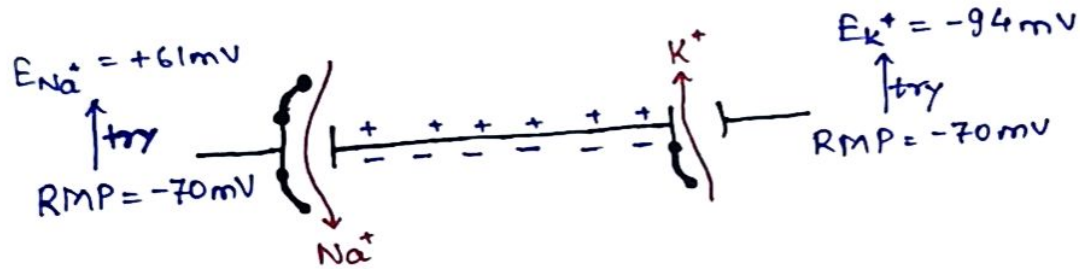
Tendency of VGC :- They try to make memb. potential close to their equilibrium potential



ACTION POTENTIAL :-

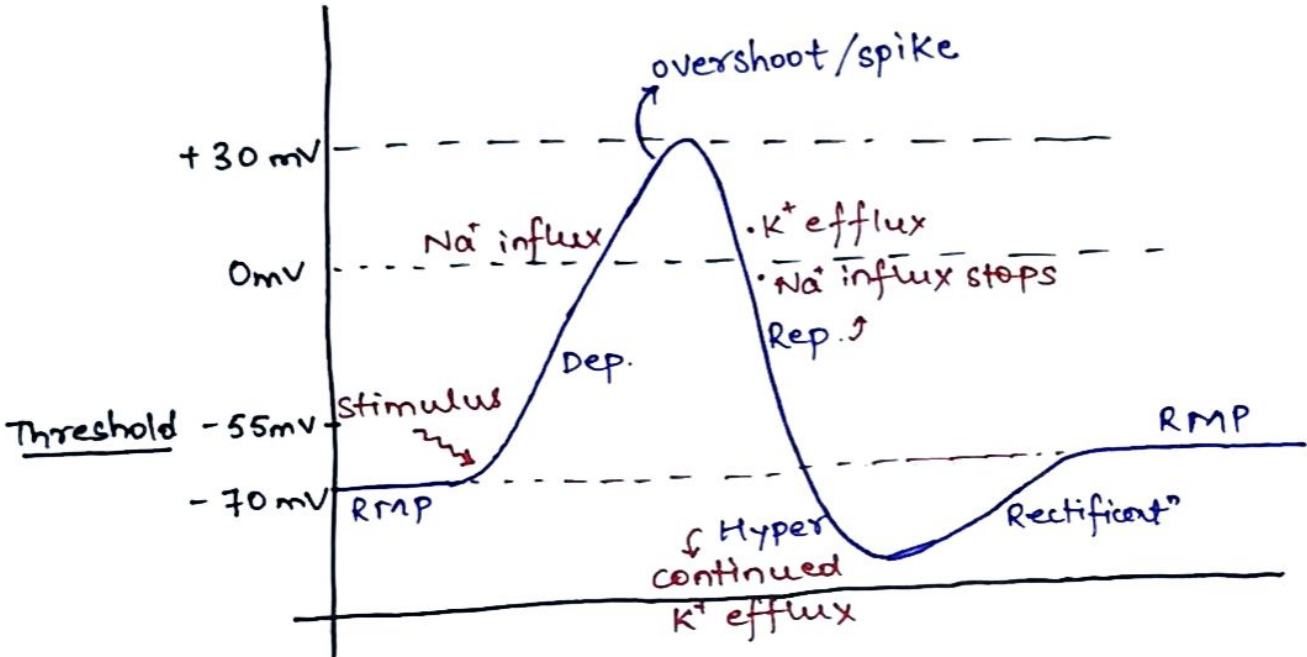
→ The electrical response of the membrane to a threshold or greater than threshold stimulus.

Tendency of VGC :- They try to make memb. potential close to their equilibrium potential

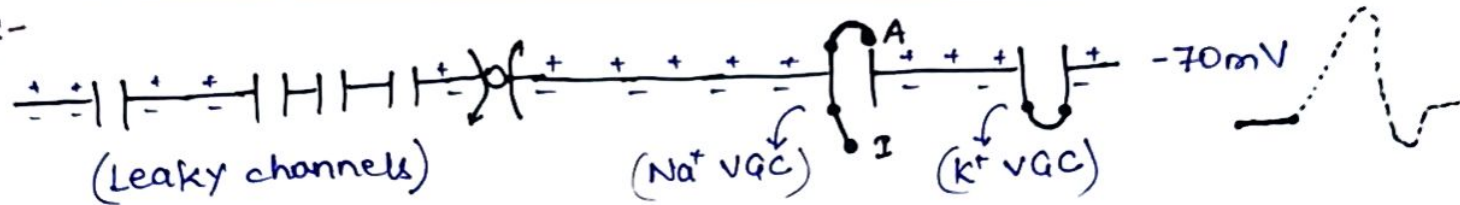


### ACTION POTENTIAL :-

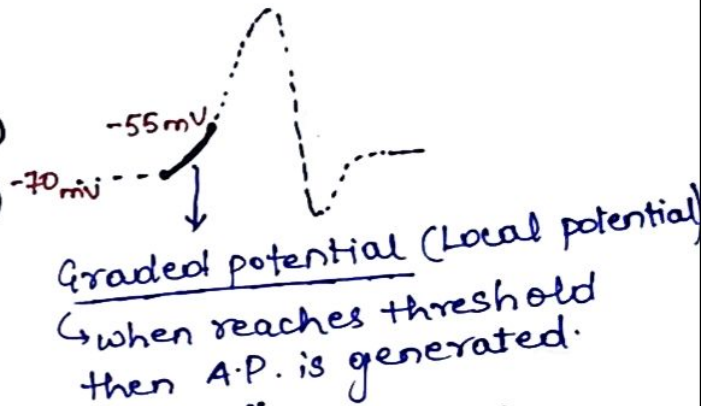
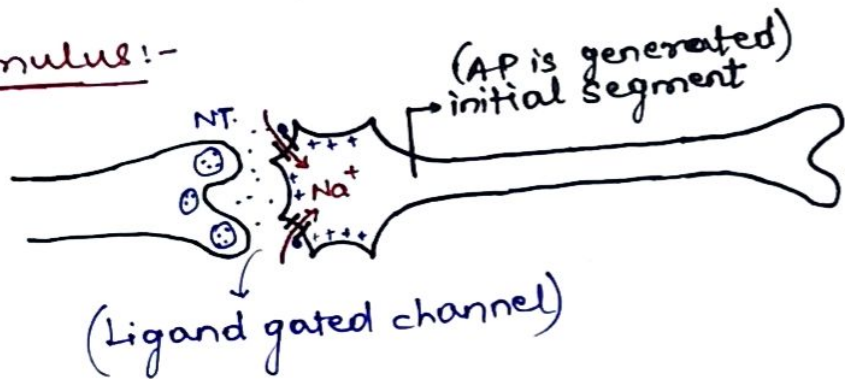
→ The electrical response of the membrane to a threshold or greater than threshold stimulus.



## RMP :-

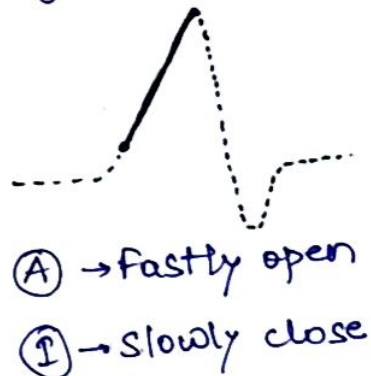
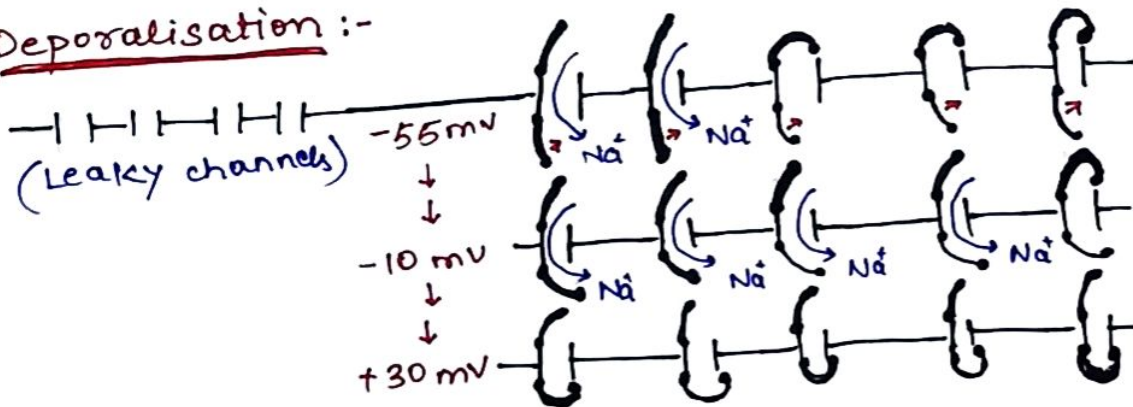


## Stimulus :-



$\therefore$  A.P. follows "All or None Law"

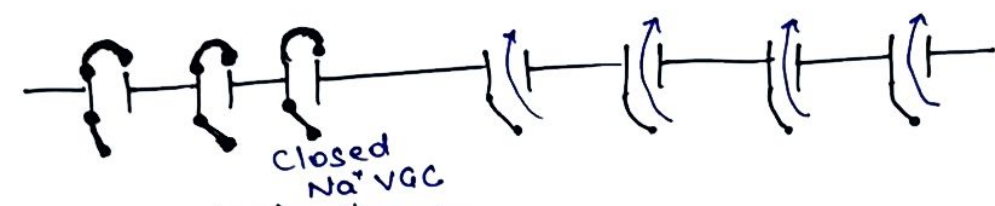
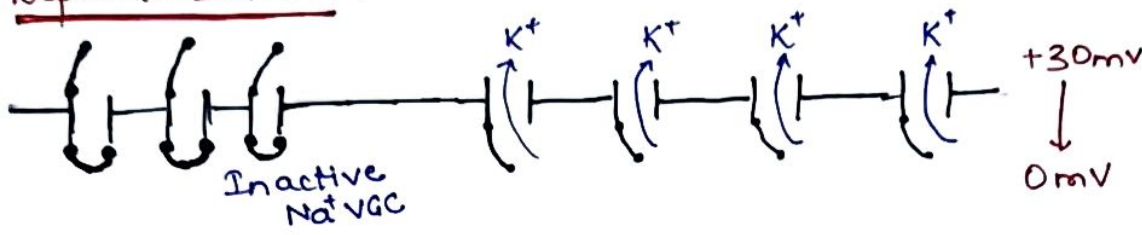
## Depolarisation :-



(A)  $\rightarrow$  fastly open  
(I)  $\rightarrow$  slowly close

Inactive state (peak of AP)

## Repolarisation :-



## Hyperpolarisation :-

