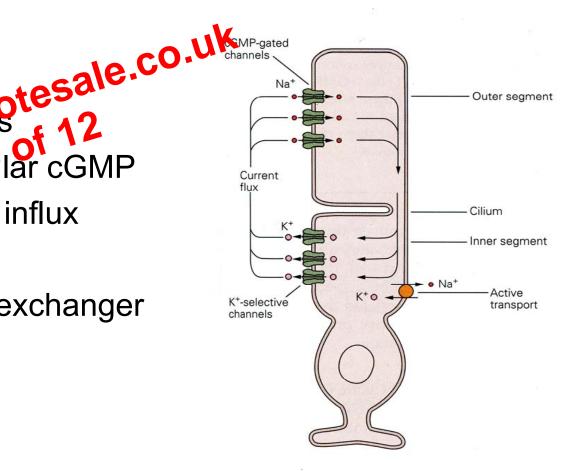
Dark Current: Summary

• $V_m = -30 \text{mV}$

Maintained by:

CNG channels 42
 Vegh intracellelar cGMP

- Constant Na⁺ influx
- K⁺ efflux (I_K)
- Na⁺-K⁺, Ca²⁺ exchanger



...But what happens when the cell leaves the dark cycle and enters the light?

Light Stimulation

- CNG channels close 7 of 12

 Prexchangers at working!
- Membrane becomes more negative
 - **HYPERPOLARIZED!**
- Less calcium in the cell
- Less release of Neurotransmitter

Who is involved in this process?