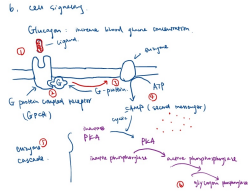
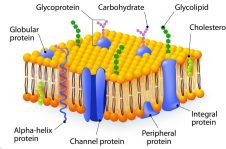


# CELL MEMBRANE



pathway of the G-protein couple receptor

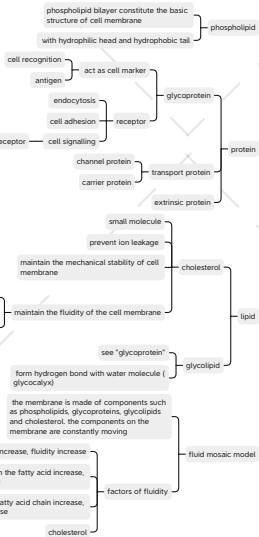
the ligand has a complementary shape to the binding site of the receptor, the binding is specific

the binding induced a conformational change to the receptor and activates a G-protein

the activated G-protein activate a enzyme

the enzyme catalyzes a conversion that produces second messenger. this amplifies the signal

the second messenger triggered an enzyme cascade, and finally the cell produces a response



## Membrane Structure And Transport

membrane transport

