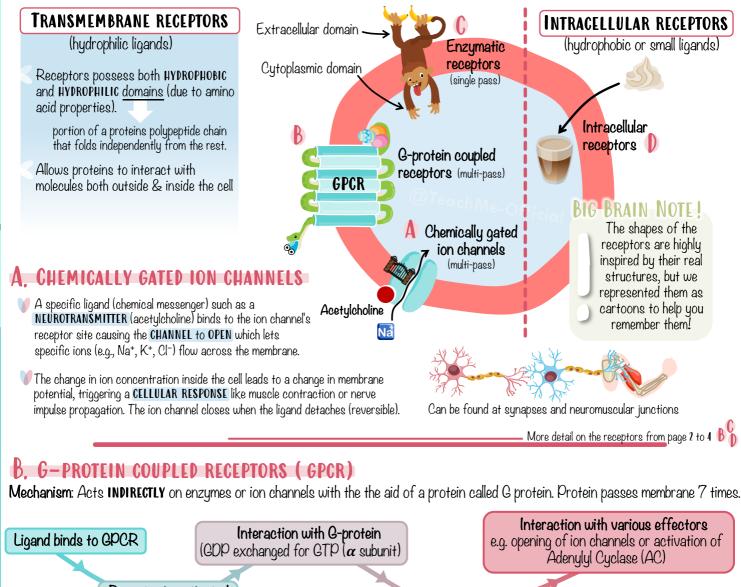
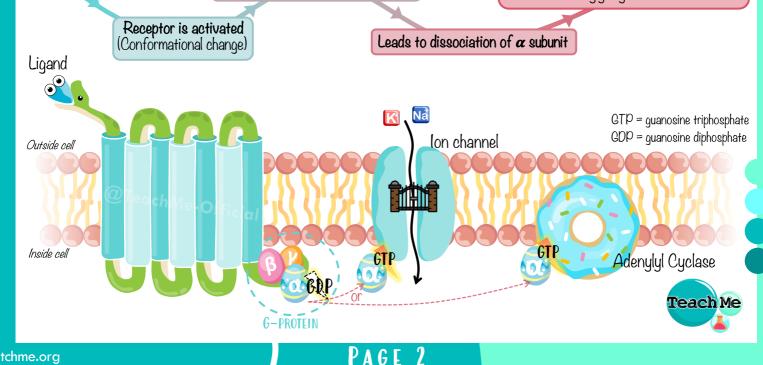


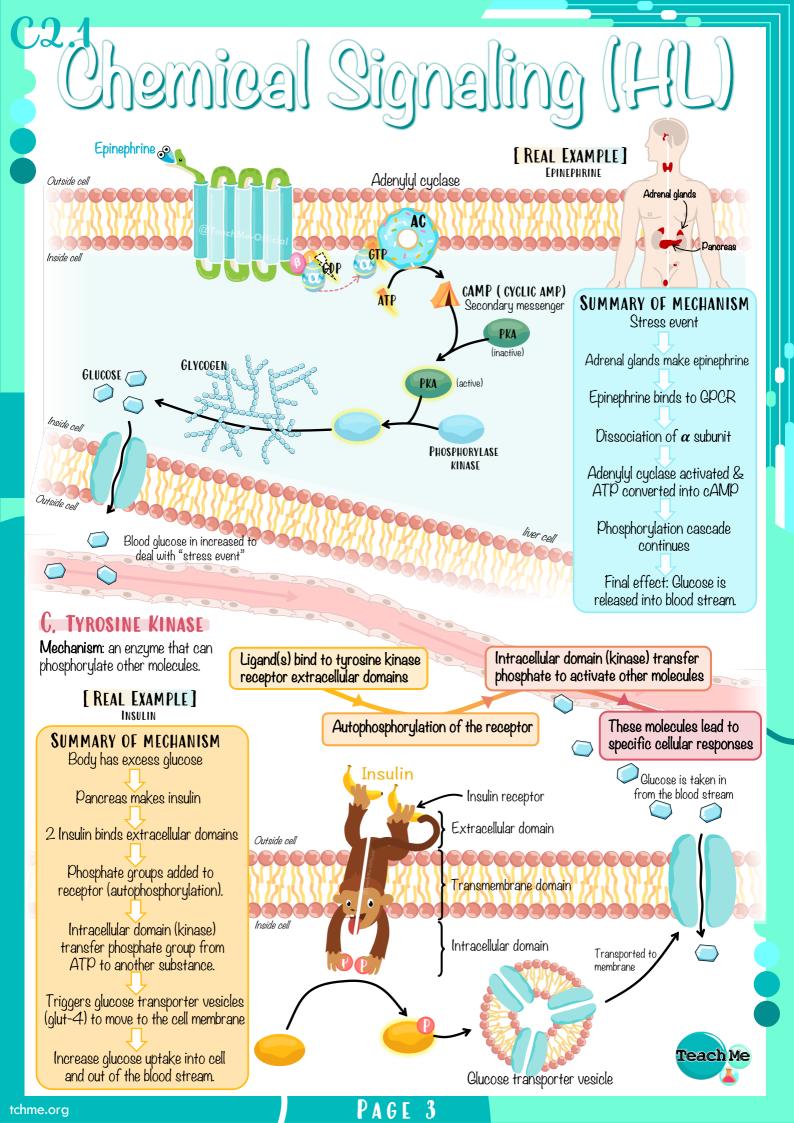
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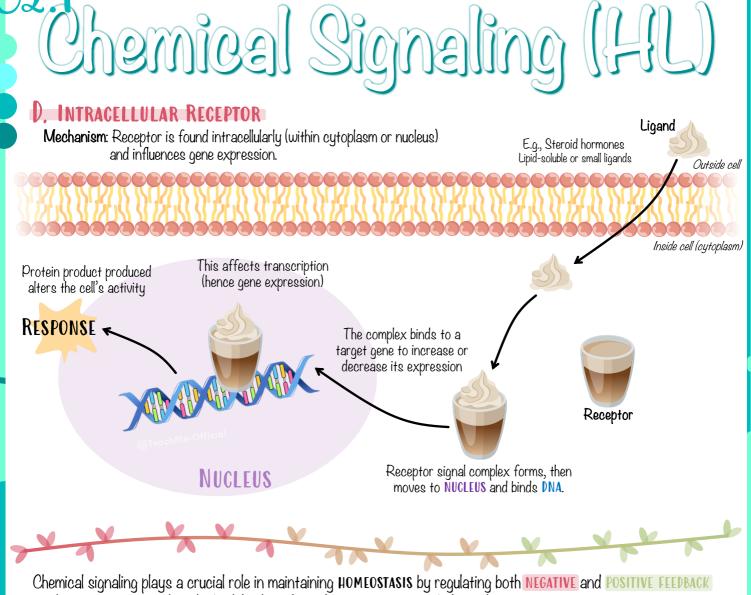
Chemical Signaling (HL

PTORS Molecules (proteins) to which a ligand binds. Complementary binding cause the receptor shape change.

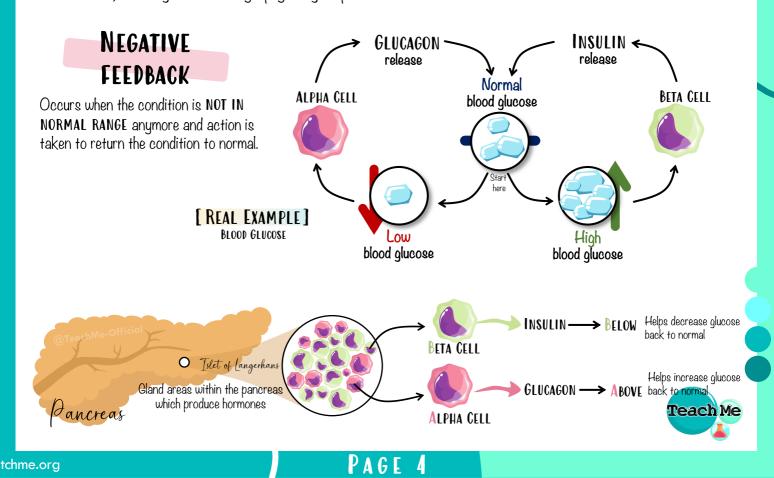


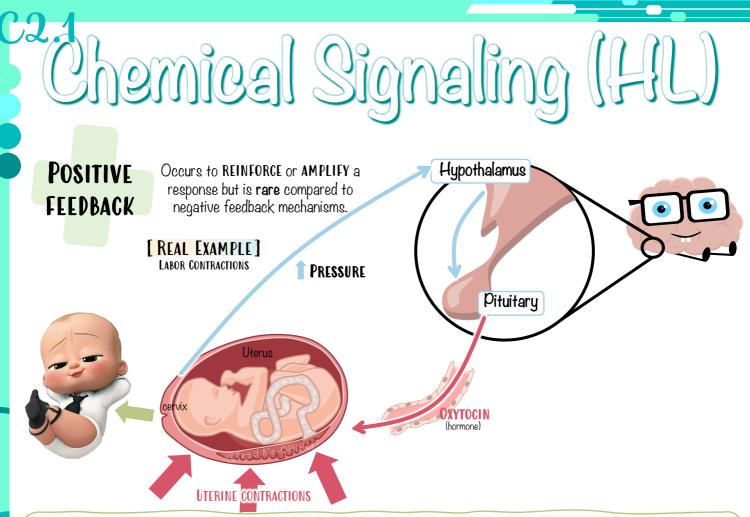




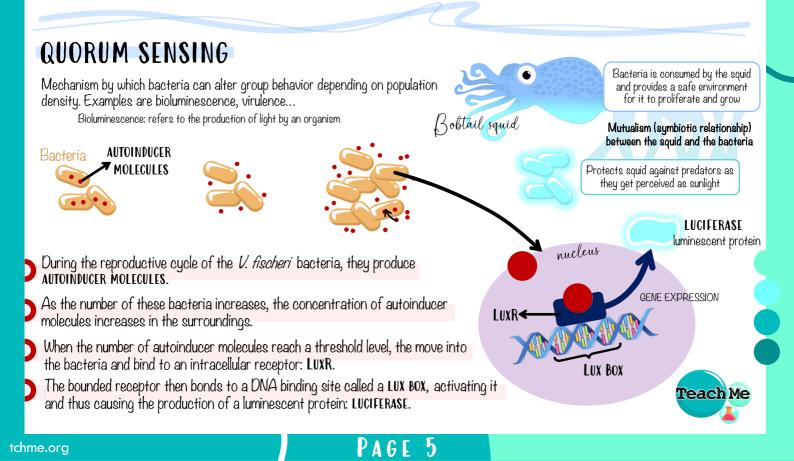


mechanisms, ensuring that the body's physiological processes remain balanced.





Labor begins when the baby's head pushes against the cervix, creating **PRESSURE**. This pressure signal is sent to the HYPOTHALAMUS in the brain which in turn prompts the **PITUITARY GLAND** to release **OXYTOCIN** into the bloodstream. **OXYTOCIN** travels through the blood to the uterus, causing the muscles of the uterus to contract more forcefully. These contractions push the baby further into the birth canal, increasing the **PRESSURE** on the cervix which lead to stronger signals being sent to the hypothalamus, leading to even more **OXYTOCIN** release. This cycle of increasing contractions continues until the baby is born, at which point the **POSITIVE FEEDBACK** loop is interrupted.







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