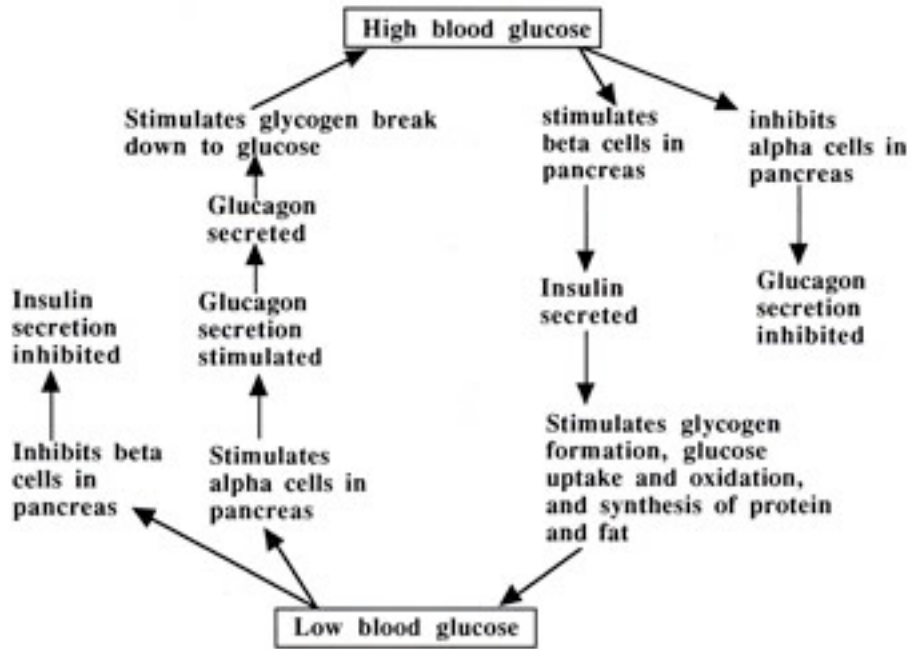
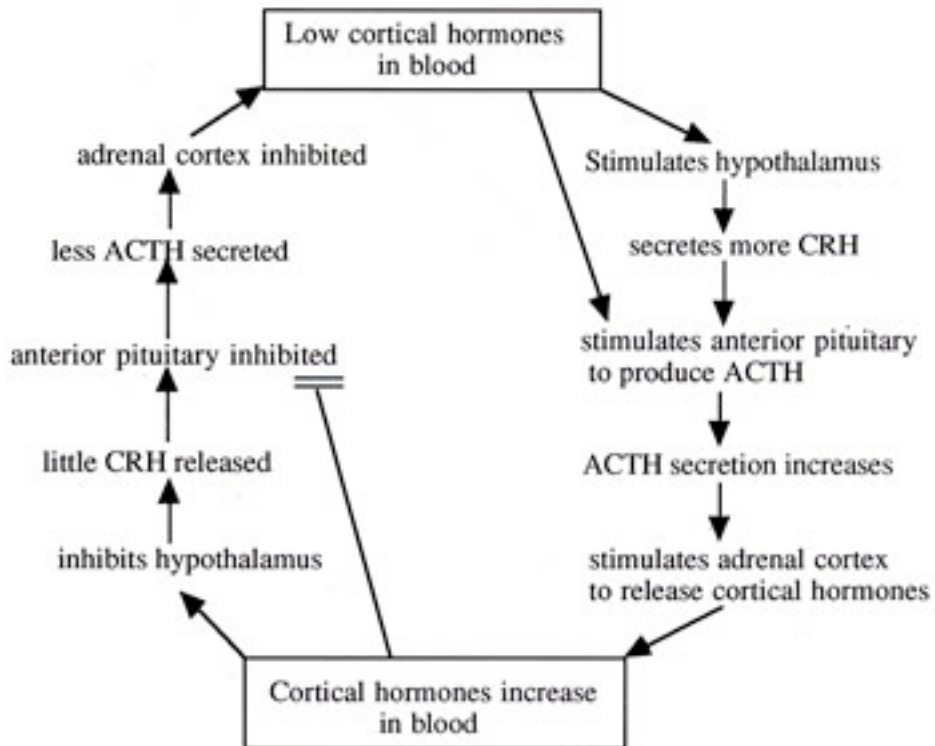


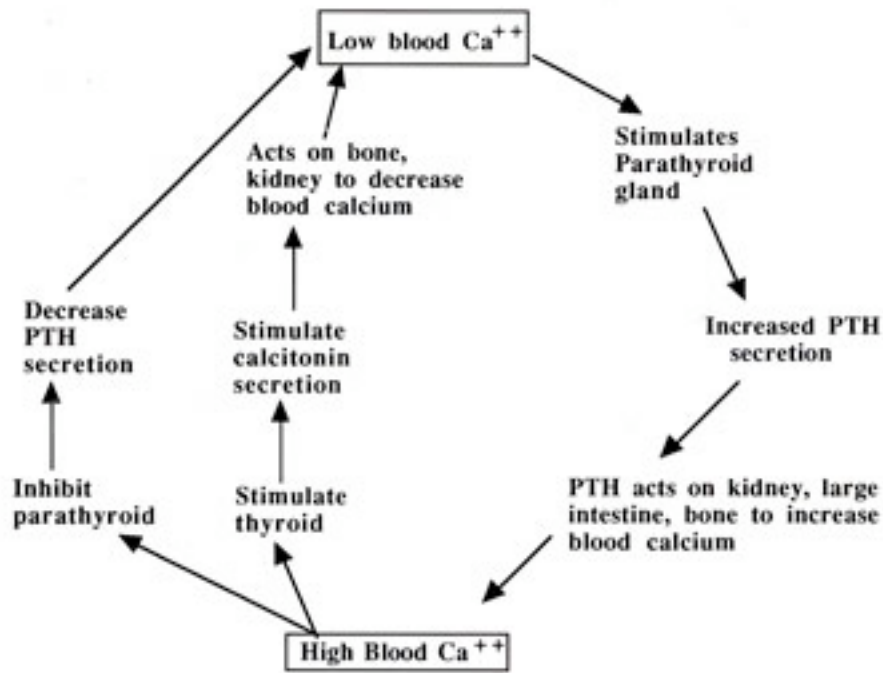
## NEGATIVE FEEDBACK LOOPS



### Control of Blood Glucose by Insulin and Glucagon

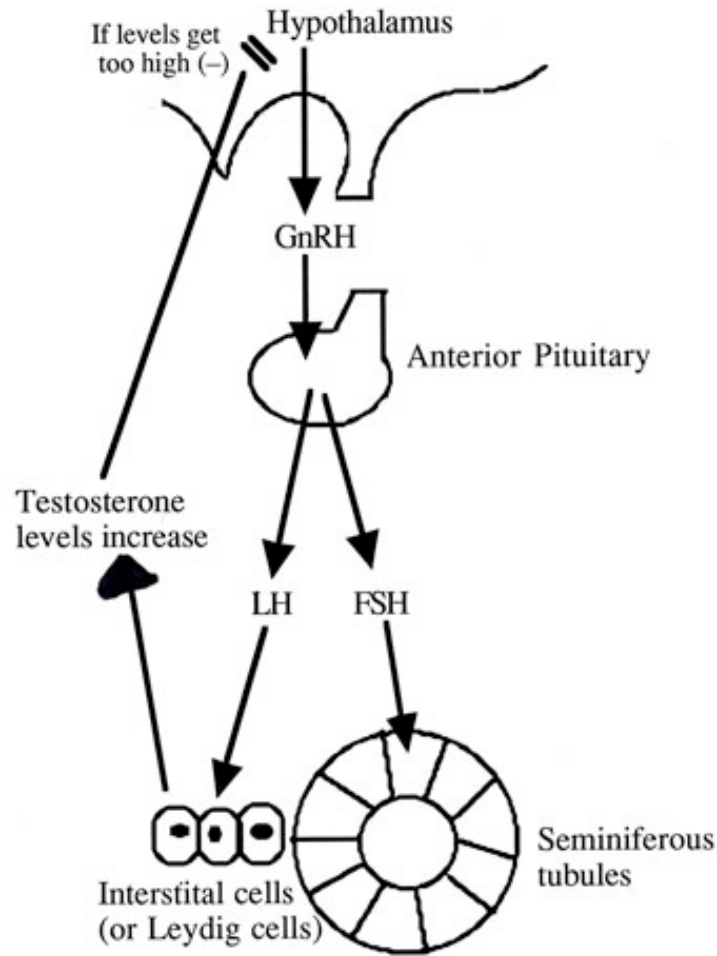


### Adrenal Cortex

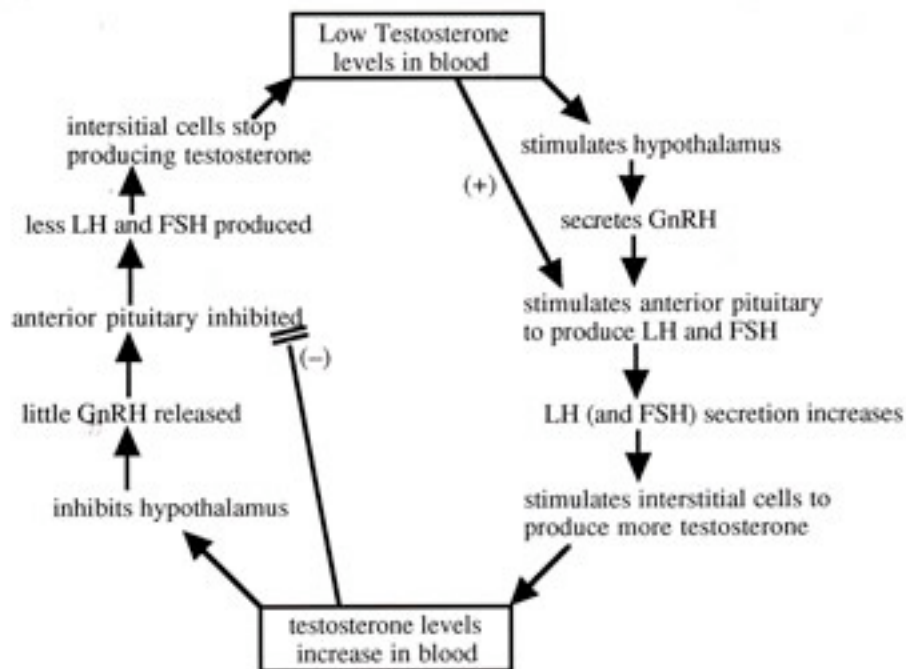


### Control of Calcium Ion Levels in the Blood

Note: The action of calcitonin appears to be more important in the young than in adult animals and humans. Individuals who have had their thyroid removed have normal calcium levels as long as the parathyroid glands are intact. No syndrome due to calcitonin insufficiency has ever been described, suggesting that the parathyroid gland exerts the primary control of blood calcium levels.



### Control of Testosterone Secretion



### Testosterone Negative Feedback Loop