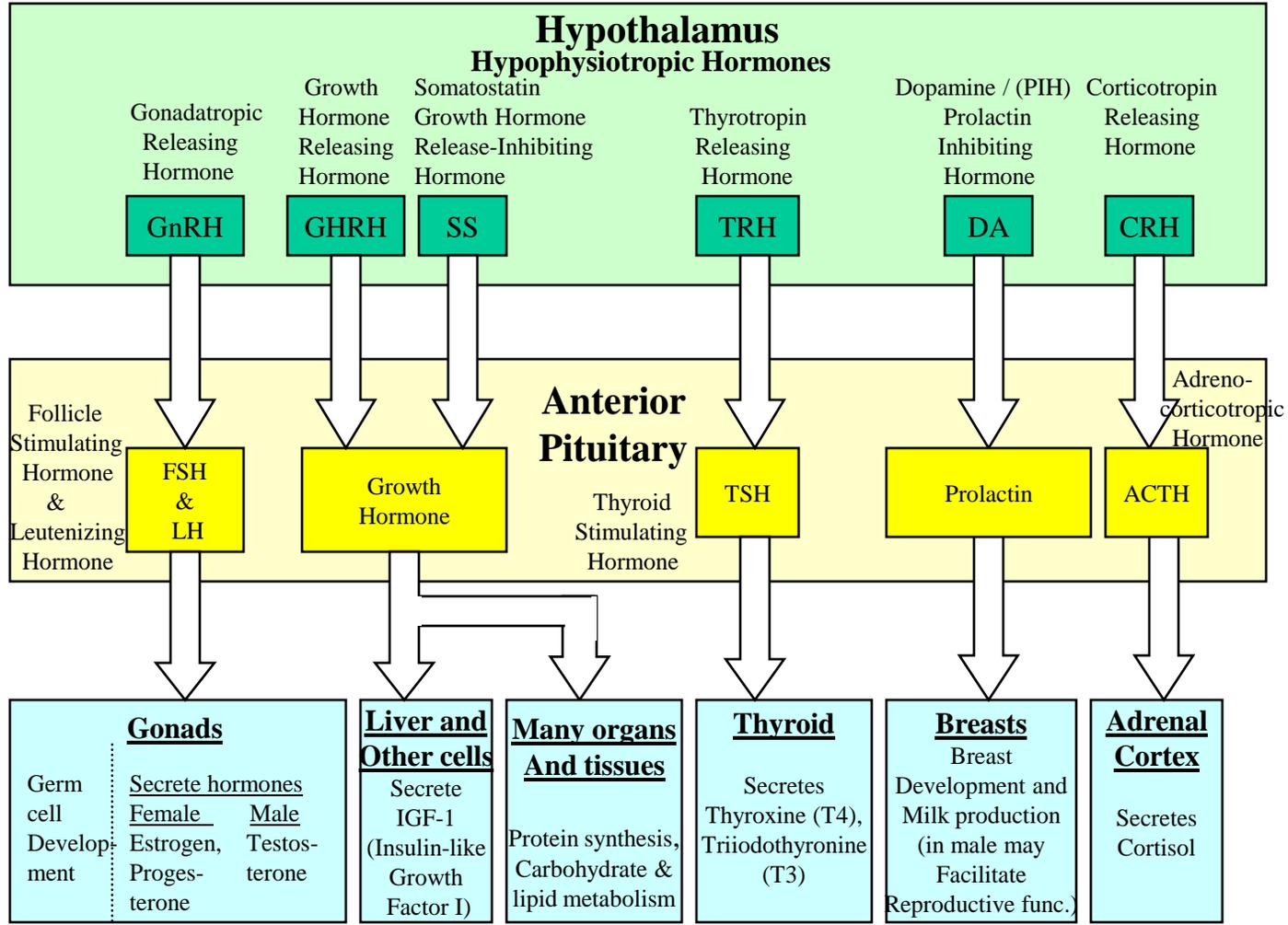


Hypothalamic-anterior-pituitary System



Reprod. system; breasts, growth/develop; influences gametes.
 Reprod. system; growth/develop; Sex drive; influences gametes.

Long loop Negative Feedback exerted on hypothalamus, (i.e., an increase in plasma GH Results in Inhibition of GH secretion). IGF-I also acts directly on the pituitary to inhibit the stimulatory effect of GHRH on GH secretion.

Metabolic rate; growth; brain.
 T3 is more Active than T4, but T4 is secreted in much larger amounts. Most cells can convert T4 to T3.

Organic metabolism; response to stress; immune system.