

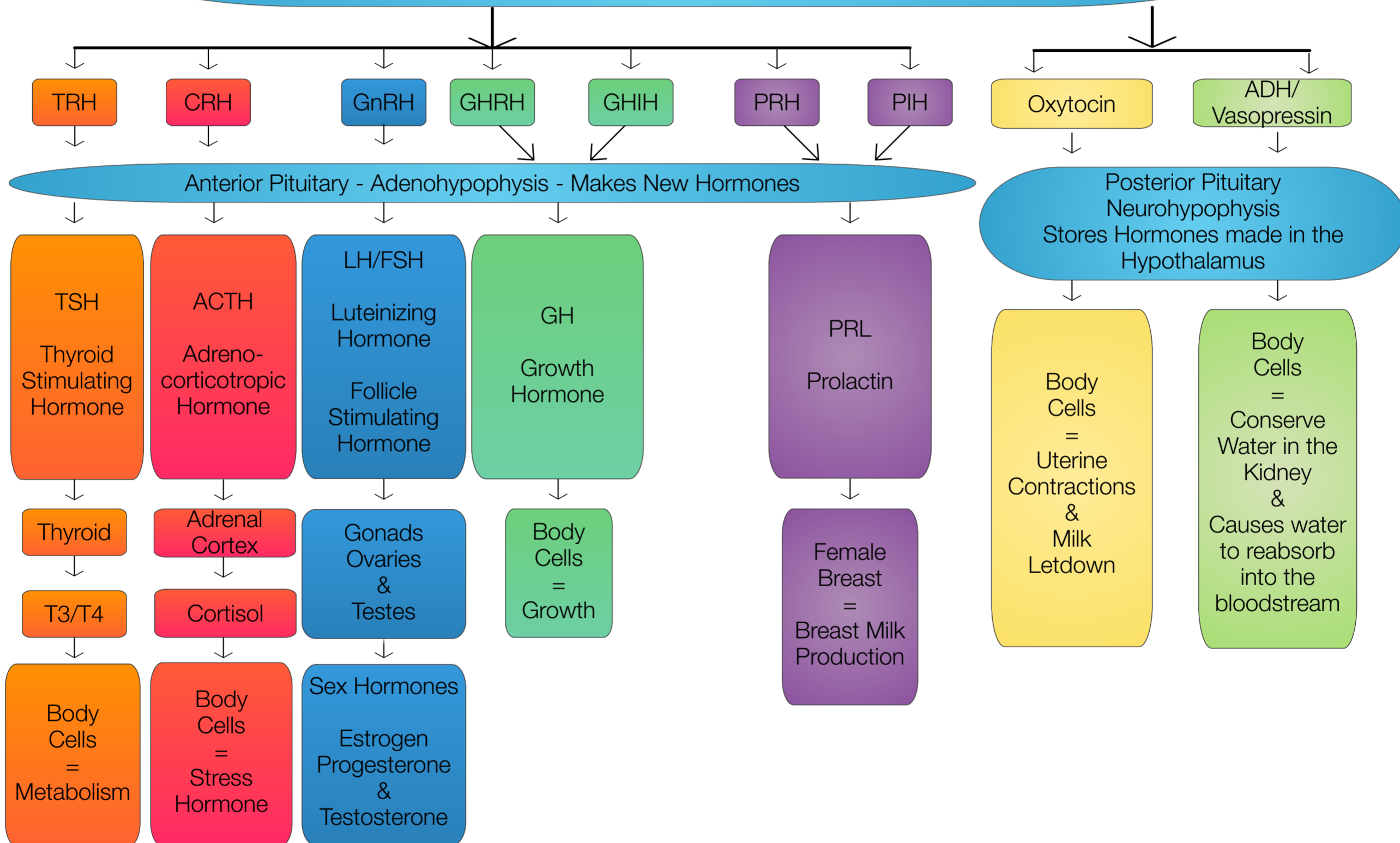
# MAP HORMONE CHART

A SENSORY RECEPTOR found in the body will sense the need to create a specific hormone.  
Example: The receptor sense high blood sugar, the body responds by creating Insulin

An AFFERENT neuron brings the receptor signal back to the brain.

## HYPOTHALAMUS

When the signal reaches the hypothalamus in signals the creation of the appropriate Releasing or Inhibitory Hormone



### Anterior Pituitary Hormones

A hormone created in the hypothalamus signals the pituitary to make a new hormone in the Pituitary or inhibit (slow down) the creation of a hormone already being made.

The Pituitary Hormones can act on the body or be sent to an additional gland. Those glands (thyroid, adrenal, testes, ovaries) make additional hormones that act on the body.

The glands in this system are endocrine glands meaning that they put the hormones they create into the BLOODSTREAM!

### Posterior Pituitary Hormones

The actual hormone is made in the hypothalamus and is stored in the posterior Pituitary.

When the body needs these hormones they are released directly into the BLOODSTREAM!