

Endocrine Gland	Location	Hormone
<p><b>Pituitary gland</b></p> <p>1. Master Gland</p> <p>2. dangles from brain</p> <p>The _____</p> <p>(a hormone-storage area and <b>not a true endocrine gland</b>) secretes hormones that stimulate the anterior <u>pituitary gland</u> to secrete hormones that stimulate other endocrine glands to secrete hormones</p>	<p>Brain- 'pea on a stalk'</p>	<p><b>Anterior Pituitary Hormones</b></p> <ol style="list-style-type: none"> <li><b>GH-</b> stimulates <b>growth</b> in childhood and is important for maintaining a healthy body composition. In adults it is also important for maintaining _____ and _____ mass. It can affect fat distribution in the body. (ie:purpose of <b>Mitosis = throught the life of the organism, a cell must _____ or _____</b>)</li> <li><b>ACTH-</b> _____ stimulates production of cortisol by the _____ glands. _____, <b>a so-called " _____ hormone,"</b> is vital to survival. It helps maintain blood _____ and _____ levels.</li> <li><b>LH-</b> _____ regulates _____ in men and _____ in women. (gonadotropin) During pregnancy, it helps maintain to end term and prepares the body for _____</li> <li><b>PRL-</b> _____ stimulates _____ from a woman's breasts after childbirth and can affect sex hormone levels from the ovaries in women and the testes in men.</li> <li><b>FSH-</b> _____ promotes _____ production in men and stimulates the ovaries to release _____ in women. _____ is the process of an egg being released from the ovary, to the fallopian tube, then to the uterus. LH and FSH work together to allow normal function of of the ovaries or testes. (gonadotropin) the presence of hCG ( is what is detected in pregnancy test kits) helps create the _____ and makes _____ which maintains a pregnancy to full term.</li> <li><b>TSH-</b> makes _____ hormones, whichstimulate the thyroid to regulate the body's <b>metabolism, energy, growth and development, and nervous system activity.</b></li> </ol> <p><b>Posterior Pituitary Hormones</b></p> <ol style="list-style-type: none"> <li><b>ADH-</b> stands for _____ also called _____, is stored in the back part of the pituitary gland and <b>regulates _____ balance.</b> If this hormone is not secreted properly, this can lead to problems of sodium (salt) and water balance, and could also affect the _____ so that they do not work as well.</li> <li><b>Oxytocin</b> - causes _____ in nursing mothers, _____ during childbirth,</li> </ol>



<p><b>Parathyroid</b></p>	<p><u>Neck</u></p>	<p>11. <b>PTH</b> – aka _____; takes calcium from the bones to make it available in the blood</p> <p>a. <b>'PUTS</b> Ca in blood' Calcium is essential for: _____, muscle contraction, and _____</p> <p>b. Released if there is a decline of blood Ca by having the _____ reabsorb the _____ so it is not excreted.</p> <p>c. Active form: Stimulates _____ - vita D source</p> <p>d. Inactive form: food and skin</p>
<p><b>Adrenal Glands</b></p> <p><b>OUTER:Adrenal cortex- SECRETES STEROID HORMONES</b></p> <p><b>INNER:Adrenal medulla; made up of nervous tissue that are triggered by the sympathetic nervous system</b></p>	<p>A 'beret' above the <u>kidneys</u></p>	<p><b>Hormones of the Adrenal Cortex- balance water/electrolyte balance; includes (cortico-'cortex'): corticosteroids, glucocorticoids and gonadocorticoid</b></p> <p><b>A. Corticosteroids</b></p> <p>12. <b>ALDOSTERONE</b>– a _____, <b>keeps _____ in the body</b> by reabsorbing from kidneys; the balance of water influences the blood _____ and _____; _____ blood pressure will stimulate aldosterone.</p> <p><b>B. Glucocorticoid-</b> stimulated by ACTH in Pituitary Gland</p> <p><b>13. cortisol, cortisone, corticosterone; deals with _____ stress;</b> depending on the amt of cortisol= amt of stress; anti-inflammatory (can make synthetic <b>HYDROCORTISONE</b> as a medicine)</p> <p><b>C. Gonadocorticoid</b></p> <p><b>Sex Hormones</b> –secretes testosterone and estrogen in both males and females.</p> <p>14. _____ (testosterone- male hormones) and estrogens (female hormones) throughout your life;</p> <p><b>Hormones of the Adrenal Medulla-</b> ; it prolongs the 'flight or fight' response; stimulated by the Nervous System</p> <p>15. _____ - deals with _____;</p>

16. \_\_\_\_\_ increased heart rate, breathing rate, elevated blood pressure and blood glucose levels (fight or flight, response to stress) aka \_\_\_\_\_ **to better prepare us in a stressful situation**

17. \_\_\_\_\_ –similar to epinephrine AND a neurotransmitter; works synergistically with epi.