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Endocrine System Puzzle

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| **Across**  **4.** a low blood glucose level  **7.** monosaccharide, primary energy source for body cells  **13.** hypersecretion of growth hormone in adult, resulting in excessive growth of bones of the face,hands, & feet  **14.** the pituitary gland  **15.** a hormone secreted by the thyroid gland that increases energy production & protein synthesis  **16.** a decrease in secretion of hormones, or low amounts secreted  **18.** the endocrine portions of the pancreas that secrete insulin & glucagon  **20.** the condition of being abnormally small, caused by deficiency of growth hormone  **21.** cells of islets of Langerhans of the pancreas that secrete the hormone insulin  **22.** having the same effects as sympathetic impulses, as has epinephrine  **23.** a high blood calcium level  **24.** hypersecretion of thyroxine, believed to be autoimmune disease, symptoms reflect the metabolic rate | **Down**  **1.** the conversion of stored glycogen to glucose to be sued for energy production  **2.** the conversion of glucose to glycogen to be stored as potential energy  **3.** drowsiness, laziness, or indifferent  **5.** a low blood calcium level  **6.** polysaccharide, storage of excess glucose in liver and or muscle  **8.** an increase in secretion of hormones, or high amounts secreted  **9.** cells of ISlets of Langerhans of the pancreas that secrete hormone glucagon  **10.** hyposecretion of thyroxine in an adult, decreased metabolic rate results in physical & mental lethargy  **11.** an enlargment of the thyroid gland, due to lack of dietary iodine  **12.** a high blood glucose level  **17.** the organ in which a hormone exerts its specific effects  **19.** excessive growth of the body or its parts; result of hypersecretion of growth hormone in childhood |