Endocrine System Worksheet Biology 100C

1.	What is an Endocrine Gland?
	This is a gland that secretes hormones
2.	Endocrine glands are also calledductless glands because they secrete their chemical messengers intobody fluids_(usually the blood)
3.	The chemical messenger secreted by an endocrine gland is called a
	Hormone
4.	How does an Endocrine Gland differ from an Exocrine Gland?
	Exocrine glands secrete fluid into a duct which conveys the products to the location
5.	What are Neurosecretory Cells and why do they show that the endocrine system and the nervous system are related structurally, chemically, and functionally?
	They are specialized nerve cells that secrete hormones. Several chemicals serve as both hormones and neurotransmitters.
6.	Name three different local regulators, tell what the chemical composition is for each one, and give one function for each local regulator.
	Nitric Oxide (NO) – secreted by neurons as a neurotransmitter, by WBC kills bacteria and cancer cells, by endothelia cells in blood vessels causes smooth muscle to relax.
	Growth Factors – these are peptides and proteins, stimulate growth of various tissues
	Prostaglandins - modified fatty acids, often derived from lipids of cell membrane,
7.	Where could a hormone receptor be located? On cell membrane, in cytoplasm or in nucleus
8.	A protein hormone and many peptide hormones would bind with a receptor located in this place. On cell membrane