

Chamberlain University College of Nursing

BIOS 252: Anatomy and Physiology II

Professor Horn

Week 6: Endocrine System Lab Report

Part 1: Anatomy. TV

1. Complete the following table regarding hormones secreted by the pancreas. (3 points)

<u>Hormone</u>	<u>Principle actions</u>	<u>Secreted by which cells in the pancreas?</u>
<u>Insulin</u>	Lowers blood glucose levels by facilitating cellular uptake of glucose and promoting glycogen synthesis in the liver.	The Beta cells
<u>Glucagon</u>	Raises blood glucose levels by promoting glycogen breakdown and glucose release by the liver.	The Alpha cells

2. What is the name of the regions in the pancreas that secrete hormones? (1 point)

The regions in the pancreas that secrete hormones are called the Islets of Langerhans. Which are made up of five different endocrine cell types (alpha, beta, delta, epsilon, and upsilon) that secrete at least five hormones: glucagon, insulin, somatostatin, ghrelin, and pancreatic polypeptide.