

Handwritten answers only, use area to write out answers and attach additional pages as needed

A. Properly and completely define Hormone

B. Name two different chemical classes of hormones and give two (2) examples of each

C. Name the two types of signal transduction and explain how the target cell responds.

D. Contrast the following for the nervous and endocrine systems

Contrast Topic	Nervous	Endocrine
Tissue type		
Location		
Speed of signal		
How signal is started/activated		
Mechanism of Action (MOA) of signal		
How stimulus/signal is stopped		
Removal of chemical signal		

E. Explain how the hypothalamus controls the pituitary gland and list **ALL** the pituitary hormones, give their target and function(s) at the target tissue.

F. Fill in the following chart

Gland	Unique Hormone(s)	Specific Target	Function @ target
Thyroid			
Parathyroid			
Pineal			
Adrenal Medulla			
Adrenal Cortex			
Testes			
Ovaries			
Pancreas			
Placenta			
Thymus			
Kidney			
Heart			
Gastrointestinal Tract			