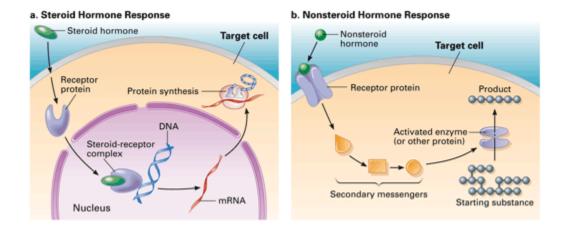
Name	Date	Period

Pituitary Gland Hormone Note Taking Guide

Student presentations will be given of the following hormones. Note taking materials are provided on the last two pages.

- -Growth Hormone -Prolactin -Luteinizing Hormone -Follicle Stimulating Hormone -Adrenocorticotropic Hormone -Thyroid Stimulating Hormone -Vasopressin -Oxytocin
- **Hormone Class** Components Example(s) Norepinephrine Amino acids with modified groups (e.g. norepinephrine's **Amine Hormone** carboxyl group is replaced with a benzene ring) Oxytocin Short chains of linked **Peptide Hormone** amino acids **Human Growth Hormone** Long chains of linked **Protein Hormone** amino acids Progesterone Testosterone CH₃ ċ=o H₃C Derived from the Steroid Hormones lipid cholesterol
 - 1. Which of the hormone types shown above is the smallest?
 - 2. Which of the hormone types shown above is composed of long amino acid chains?
 - 3. Which of the hormone types shown above is lipid based?
 - 4. Which of the hormone types shown above is composed of short amino acid chains?

5. Notice in the diagram below that there are two methods of cell entry used by hormones. Which type(s) of hormones listed on the previous page above use a receptor protein in the cell membrane to enter? Which can enter directly through the membrane?



Use the following to take notes on student presentations:

Name of Pituitary Hormone:

Released from anterior or posterior pituitary?

Type of hormone?

-amine -peptide -protein -glycoprotein -steroid

Function of the hormone?

Other glands or parts of the body it stimulates?

Condition associated with this hormone? Symptoms?

Name of Pituitary Hor Released from anterio		oituitary?		
Type of hormone? -amine	-nentide	-protein	-glycoprotein	-steroid
Function of the hormo	-	-protein	-giycoprotein	-Steroid
Other glands or parts	of the body it s	timulates?		
Condition associated	with this hormo	one? Symptom	s?	
Name of Pituitary Hor Released from anterior Type of hormone?		oituitary?		
-amine Function of the hormo		-protein	-glycoprotein	-steroid
Other glands or parts	of the body it s	timulates?		
Condition associated with this hormone? Symptoms?				
Name of Pituitary Hor Released from anterio Type of hormone?		oituitary?		
-amine Function of the hormo	• •	-protein	-glycoprotein	-steroid
Other glands or parts	of the body it s	timulates?		
Condition associated	with this hormo	one? Symptom	s?	

Name of Pituitary Ho Released from anteri		pituitary?		
Type of hormone? -amine Function of the horm	-peptide	-protein	-glycoprotein	-steroid
runction of the norm	one?			
Other glands or parts	of the body it	stimulates?		
Condition associated			ns?	
Name of Pituitary Ho Released from anteri	rmone:			
Type of hormone? -amine Function of the horm	-peptide one?	-protein	-glycoprotein	-steroid
Other glands or parts	s of the body it s	stimulates?		
Condition associated with this hormone? Symptoms? Name of Pituitary Hormone: Released from anterior or posterior pituitary?				
Type of hormone? -amine Function of the horm	-peptide one?	-protein	-glycoprotein	-steroid
Other glands or parts	of the body it	stimulates?		
Condition associated	with this horm	one? Sympton	ns?	

Name of Pituitary Ho Released from anteri		r pituitary?				
Type of hormone?	or or pooterior	pitaltary.				
-amine	-peptide	-protein	-glycoprotein	-steroid		
Function of the horm	one?					
Other glands or parts	s of the body it	: stimulates?				
Condition associated with this hormone? Symptoms?						
Name of Pituitary Ho	rmone:					
Released from anteri	or or posterio	r pituitary?				
Type of hormone?		(
-amine Function of the horm	-peptide one?	-protein	-glycoprotein	-steroid		
Other glands or parts	s of the body it	stimulates?				
Condition associated	with this horn	none? Sympto	oms?			