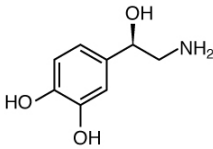
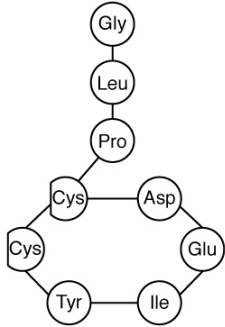
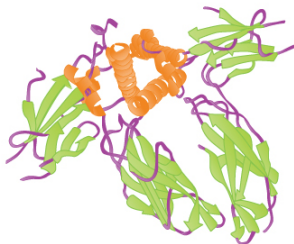
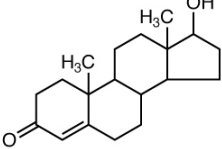
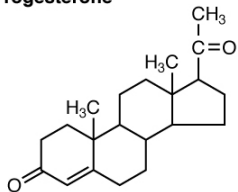


Name _____ Date _____ Period _____

Pituitary Gland Hormone Note Taking Guide

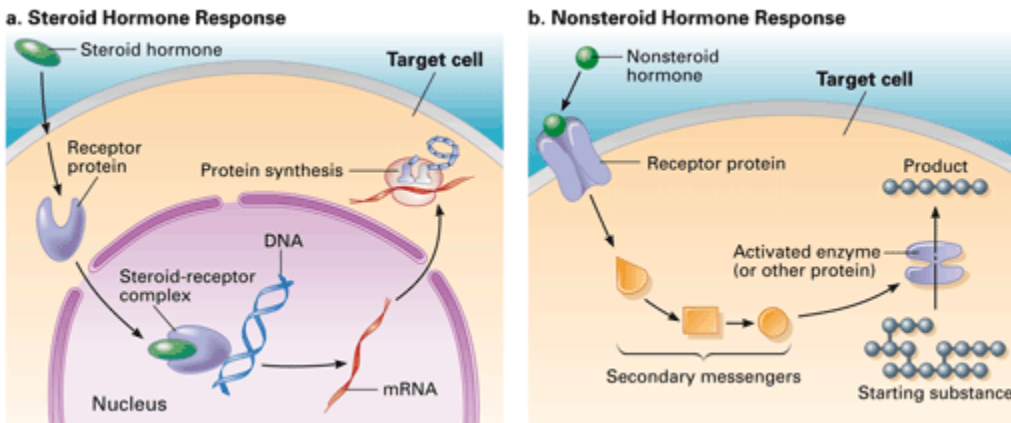
Student presentations will be given of the following hormones. Note taking materials are provided on the last two pages.

-Growth Hormone -Prolactin -Luteinizing Hormone -Follicle Stimulating Hormone
 -Adrenocorticotrophic Hormone -Thyroid Stimulating Hormone -Vasopressin -Oxytocin

Hormone Class	Components	Example(s)
Amine Hormone	Amino acids with modified groups (e.g. norepinephrine's carboxyl group is replaced with a benzene ring)	Norepinephrine 
Peptide Hormone	Short chains of linked amino acids	Oxytocin 
Protein Hormone	Long chains of linked amino acids	Human Growth Hormone 
Steroid Hormones	Derived from the lipid cholesterol	Testosterone  Progesterone 

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?

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