

## Week 6: Endocrinology and Reproduction

GE 345 Physiology/Kinesiology

Name

### ***Background***

I have mentioned how you can often tell a lot about a substance or process just by figuring out the roots of its name. Form groups of 4-6 people and try to define the terms listed below using only what you know about the words' roots. This is a closed book activity – no notes or text allowed. At the end of 15 minutes, trade your answers with another group. We will go over the correct answers, and find the group with the most correct answers.

<u>Word</u>	<u>What you think it is</u>
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Hydrolysis

Peptidase

Hypertrophy

Tendinitis

Glucogenesis

Gluconeogenesis

Acetylcholinesterase

Gastritis

Proteolytic

Glycogenolysis

Lipase

Hydrophilic

Intracellular

Atrophy

Depolarize

<--- Total Number Correct --->

A competing group will correct your answers and add up the totals.

## ***Due Next Class***

1. How does growth hormone influence fat and carbohydrate metabolism?
2. How does thyroxine influence protein synthesis in the cells, and how does this affect the body's metabolic rate?
3. Discuss how the different hormonal systems control blood glucose concentration and the use of carbohydrate, fat and protein for energy.