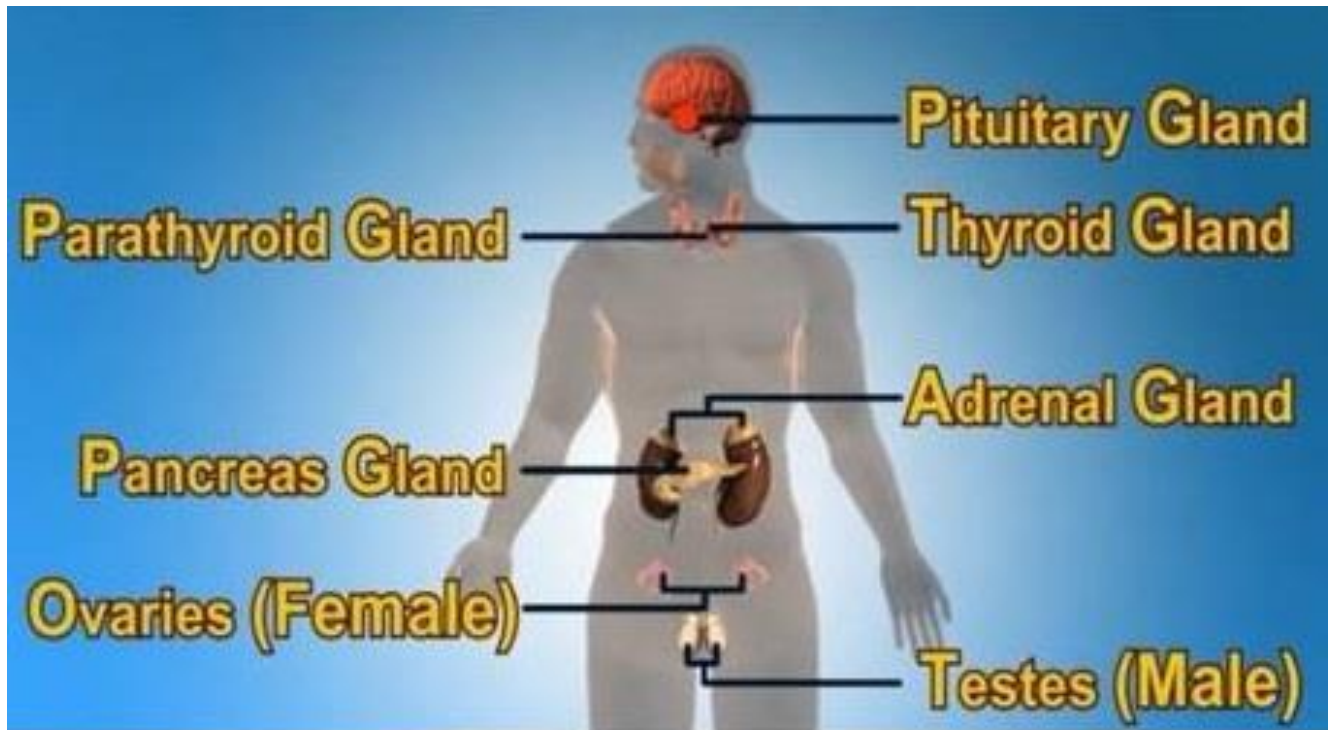


### Inquiry Question

Considering a specific endocrine gland, what hormones does it release and why is this needed?

Name: \_\_\_\_\_ Date: \_\_\_\_\_



Source: <https://youtu.be/IBWikKfbW8U>

The endocrine system has many glands that release chemical messages (hormones) into the bloodstream. Hormones are special chemicals that your body makes to help with certain functions. These hormones control several major processes that include reproduction, growth & development, mobilization of body defenses, and regulation of metabolism.

You have many different endocrine glands, in different sizes and shapes, located in different parts of the body.

The purpose of this project is to research a specific endocrine gland. You will be making a powerpoint presentation about this endocrine gland and the hormones it secretes.

### General Instructions

The goal of this project is to understand the importance of an endocrine gland and the hormones it secretes.

#### Materials you'll need:

- Computer with internet access
- Presentation software such as powerpoint or google slides

#### Ideas and Hints:

This website might be helpful: <http://www.biology-pages.info/H/HormoneTable.html>

#### GLANDS:

- Pituitary Gland (posterior & anterior)
- Pineal and Pancreas Glands
- Adrenal Glands (cortex & medulla)
- Gonad Glands (testes & ovaries)
- Thyroid & Parathyroid Glands
- Thymus and Hypothalamus Gland

#### Procedure:

Your powerpoint must include the following information:

- Slide 1: Title and name.
- Slide 2: Briefly explain **function & importance** of the entire **endocrine system**.
- Slide 3: State the **name** of your gland(s) AND include a **diagram** of the actual gland to show its size and shape.
- Slide 4: Describe the **location** of gland(s) in the human body AND include a **diagram** depicting this specific location.
- Slide 5: Briefly discuss the **role/function** the gland plays in the human body AND include a diagram and/or animation for further explanation.
- Slide 6: List 2-3 hormones the gland is responsible for secreting.
- Slide 7-9: Briefly discuss each of the **hormones**. Include the function or role each hormone has in the human body AND a diagram and/or animation for further explanation.
- Slide 10-11: Discuss 2 **diseases** associated with the gland. Include the causes & symptoms of the disease AND a diagram and/or animation for further explanation.

- Slide 12: Discuss anything **unique or interesting** about your gland OR something the audience should know about the gland you haven't already mentioned.
- Slide 13: **Bibliography** - List at least 3 properly cited sources.
- Slide 14: Develop at least 4 well-developed **concept check questions** (3 Multiple Choice and 1 open-ended; answers must be on slide but hidden from audience or on the next slide). The questions must be developed using the information presented in your powerpoint so the audience can look up the answers.

**Project submission:**

Submit your completed powerpoint presentation to the Biology project drop box.