

## HORMONE POWERPOINT PROJECT

The Endocrine System releases chemical messages (hormones) into the blood to control several major processes that include reproduction, growth & development, mobilization of body defenses, maintenance body homeostasis, and regulation of metabolism. The purpose of this project is to research a specific endocrine gland and present it to the class.

### GLANDS:

- Group 1: Pituitary Gland (posterior & anterior)
- Group 2: Pineal and Pancreas Glands
- Group 3: Adrenal Glands (cortex & medulla)
- Group 4: Gonad Glands (testes & ovaries)
- Group 5: Thyroid & Parathyroid Glands
- Group 6: Thymus and Hypothalamus Gland

### GUIDELINES:

1. Your group will consist of 3 or 4 individuals. Each person will be responsible for some research and speaking during the oral presentation.
2. Your power point must include the following information
  - Slide 1: State the names of the people in your group and your section. (1 pt)
  - Slide 2: Briefly explain **function & importance** of the entire **endocrine system**. (2pts)
  - Slide 3: State the **name** of your gland (s) AND include a **diagram** of the actual gland to show its size and shape. (2 pts)
  - Slide 4: Describe the **location** of gland(s) in the human body AND include a **diagram** depicting this specific location. (2 pts)
  - Slide 5: Briefly discuss the **role/function** the gland plays in the human body AND include a diagram and/or animation for further explanation. (4pts)
  - Slide 6: List 2-3 hormones the gland is responsible for secreting. (1 pt)
  - 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. (6 pts)
  - 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. (4 pts)
  - Slide 11: Discuss anything **unique or interesting** about your gland OR something the audience should know about the gland you haven't already mentioned. (1 pt)
  - Slide 12: **Bibliography** - List at least 3 properly cited sources. They can't all be websites. (3 pts)
  - Slide 13: Develop at least 4 well-developed **concept check questions** (3-MC and 1 open ended; answers must be on slide but hidden from audience). The questions must be developed using the information presented in your power point so the audience can look up the answers. (4 pts)
3. You will also be graded on 1) how well you use class time to work on your project, 2) the design of your power point, 3) how well your group presents the information, and 4) if you had all your materials read to go on time.

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

Gland: \_\_\_\_\_

### GRADING RUBRIC

**Class Work Days:** Used class time efficiently to research and work on your ppt presentation. (2pts)

**Slide 1:** Names of group members and class period accurately stated. (1pt)

**Slide 2:** Briefly explained the **function & importance** of the **endocrine system** in general. (2pts)

**Slide 3:** Stated the **name** of the gland(s) AND included a **diagram** showing its size and shape. (2pts)

**Slide 4:** Stated the location of the gland(s) in the human body AND included a **diagram** depicting this specific location. (2pts)

**Slide 5:** Discussed the **role/function** the gland plays in the human body AND included a diagram and/or animation for further explanation. (3pts)

**Slide 6:** Listed 2 or 3 hormones the gland is responsible for secreting. (1pt)

**Slide 7-9:** Briefly discussed each of the **hormones** and include the function each hormone has in the human body. A diagram and/or animation was included for further explanation. (4pts)

**Slide 10-11:** Defined 2 **diseases** associated with the gland and described the **causes & symptoms** for each disease. A diagram and/or animation was included for each disease for further explanation. (4pts)

**Slide 11:** Discussed something **unique or interesting** about your gland that you thought the audience should know about (that you haven't already mentioned). (1pt)

**Slide 12: Bibliography** – Alphabetically listed at least 3 properly cited sources (not all websites-no wikipedia). (3pts)

**Slide 13:** Developed at least 4 well-developed and formatted **concept check questions**. The answers were included on the slide but hidden from the audience. Answers to the questions were found within the information presented. (4pts)

**PPT:** PPT is well designed, colorful, slides are not overwhelmed with information, and the font is large and legible from the back of the classroom. **(2 pts)**

**Presentation:** Each group member spoke loudly, clearly, and did not read directly from the PPT because he/she knew their material. **(2pts)**

**Kahoot/Review Game:** Was easily accessible and included at least 10 multiple choice questions on the assigned hormones/glands.