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**YEAR 12 ATAR HUMAN BIOLOGY**

**UNIT 3**

TASK 1 – Endocrine Dysfunction Extended Response

**DUE DATE: 21st February**

**THE TASK**

Many disorders can be caused by the over secretion or under secretion of one or more of the endocrine glands. Some hormonal problems/diseases are listed below:

Acromegaly Addison’s disease

Androgen insensitivity syndrome Cushing’s Diseases

Phaeochromocytoma Diabetes Mellitus

Gigantism Graves’ Disease

Polycystosis Hashimoto’s

Your task is to research two of the above conditions (one must relate to the thyroid gland and the other must not). You must address:

* The cause of the problem; including the endocrine gland and hormone involved
* The symptoms of the disorder
* Whether the disorder is caused by an under secretion or over secretion
* Explain the hormonal feedback system that has been impacted creating the disorder
* Treatment that is available for the disorder
* Prognosis for survival if left untreated
* Anything interesting about the condition ie Famous people with the condition

**OVERVIEW OF THE TASK**

The task will be completed in two stages.

STAGE ONE: Research / Completion of notes over 2 lessons

STAGE TWO: In-class validation related to your research 1 lesson

**What you need to do**

**1. Research notes (10 marks)**

* use your textbook and at least two other sources of information to complete your notes
* organise your notes into a suitable format, no longer than 1 page/ disease, such as a table or graphic organiser (large sections of text copied from sources is not acceptable)
* include a bibliography in APA format
* submit before your in-class assessment

**2. In-class assessment (20 marks)**

* you will be given specific questions based on the broad research topics
* you may not use your notes for the validation task