**Multiple Choice (6 marks)**

*Identify the choice that best completes the statement or answers the question.*

\_\_\_\_ 1. Which of the following statements about hormones is incorrect?

|  |  |
| --- | --- |
| a. | they are produced by glands such as the thyroid |
| b. | they travel to different areas of the body |
| c. | they are carried by the blood |
| d. | they are used to communicate between different individuals |
| e. | they elicit specific biological responses from target cells |

\_\_\_\_ 2. The Posterior Lobe of the Pituitary Gland contains ADH and Oxytocin.   
Where are these hormones produced?

|  |  |  |  |
| --- | --- | --- | --- |
| a. | Thymus | c. | Pituitary Gland |
| b. | Anterior Lobe | d. | Hypothalamus |

\_\_\_\_ 3. The Pancreas contains cells that produce and release both Insulin and Glucagon.  
What are they names of these cells, and which are responsible for the production of each hormone?

|  |  |
| --- | --- |
| a. | Alpha Cells – Insulin; Beta Cells - Glucagon |
| b. | Alpha Cells – Glucagon; Beta Cells - Insulin |
| c. | The Islets of Langerhangs produce both hormones; Alpha and Beta have no role |
| d. | None of the above |

\_\_\_\_ 4. Which of the following best describes the concept of Specificity?

|  |  |
| --- | --- |
| a. | Hormones can be target or non target, meaning they may target specific cells or many cells |
| b. | Cells may have receptors for one hormone but not another |
| c. | The number of receptors on a cell may vary |
| d. | All of the above |

\_\_\_\_ 5. A positive feedback mechanism regulates which of the following hormone?

|  |  |  |  |
| --- | --- | --- | --- |
| a. | thyroxine | c. | insulin |
| b. | oxytoxin | d. | TSH |

\_\_\_\_ 6. Steroid hormones exert their effect by

|  |  |
| --- | --- |
| a. | interacting with receptors on cell membranes |
| b. | a direct effect in the nucleus of a cell |
| c. | initiating formation of cyclic AMP |
| d. | initiating formation of cyclic GMP |

**Matching (4 marks)**

*Match each item with the correct statement below.*

|  |  |  |  |
| --- | --- | --- | --- |
| a. | growth hormone | c. | epinephrine |
| b. | insulin | d. | thyroxine |

\_\_\_\_ 7. increases the absorption of glucose by cells

\_\_\_\_ 8. regulates the metabolism

\_\_\_\_ 9. regulates the development of long bones

\_\_\_\_ 10. produced in times of stress

Bonus: What is your Student Teacher’s (or Teaching Student as George Carlin would argue…) last name?   
Spelling counts!

**Endocrine Quiz**

**Answer Section**

**MULTIPLE CHOICE**

1. **D**
2. **D**
3. **B**
4. **D**
5. **B**
6. **B**

**MATCHING**

**7. B**

**8. D**

**9. A**

**10. C**