**Review Worksheet: Thyroid**

*Do these questions using your learning resources. Look at the “marks” to give you an idea of the level of detail required in the response (formative only – does not count towards your grade). At the end, mark your work, and fill in the reflection section. Questions marked \* require you to use reasoning, inferring and application of knowledge to get the answer. It won’t be right there in the text.*

1: How does the body detect low levels of thyroid hormone in the blood?

(2 marks)

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2: What hormone stimulates the thyroid to produce thyroxine, and where is that hormone produced?

(2 marks)

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3: Propose a reason that TSH only affects the thyroid, but thyroxine affects most body cells?\*

(4 marks)

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4: How does the body know when to stop producing thyroxine?

(4 marks)

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5: Where is TRF produced and how does it get to its target organ?

(3 marks)

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6: You are a Doctor, and a patient with suspected thyroid disease comes into the clinic. She says she is tired, feels weak and has a large bulging mass in her throat.

1. What other signs might she show if she had *hyper*thyroidism?

(4 marks)

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1. What might be causing the hyperthyroidism?

(6 marks)

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1. How would you make a diagnosis using a blood test – what would you test for and what result would you expect for hyperthyroidism? Why?

(4 marks)

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1. What are some of the available treatment options?

(5 marks)

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7: A different patient comes to your clinic, and when testing comes back, he shows low levels of T4 and high levels of TSH.

1. What disease does he have?

(1 mark)

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1. Why would the levels of TSH be so high? \*

(6 marks)

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1. What is the common treatment for this disease? (Assume iodine deficiency is not the cause)

(2 marks)

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Go back and mark your work using the marking key provided. What score did you get? /39

*I included enough detail in my answers.*



*I was able to find information in the text/powerpoint presentation.*

*I was able to reason and infer where the information wasn’t directly in the text (questions with \*).*

*I marked my work and wrote down any answers where I missed markfs.*