**Review Worksheet: Parathyroids**

*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: Where are the parathyroid glands located?

(1 mark)

*……………………………………………………………………*

2: What hormone is produced by the parathyroid glands?

(1 mark)

*……………………………………………………………………*

3: What triggers the release of PTH?

(1 mark)

*……………………………………………………………………*

4: Where is thyrocalcitonin produced?

(1 mark)

*……………………………………………………………………*

5: What triggers the release of thyrocalcitonin?

(1 mark)

*……………………………………………………………………*

6: Parathyroid hormone and Thyrocalcitonin have the same target tissues. What are they?

(3 marks)

*……………………………………………………………………*

*……………………………………………………………………*

*……………………………………………………………………*

7: Describe the sequence of events that would occur to restore homeostasis if blood Ca2+ levels rose:

(6 marks)

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8: If someone did not have adequate dietary calcium intake:

1. What would happen to their blood Ca2+ levels?

(1 mark)

………………………………………………………..

1. What sequence of events would occur to bring their blood *Ca2+* back to homeostatic levels?

(5 marks)

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1. If the inadequate dietary intake of calcium continued, what would the long term effect be on their bones and why? \*

(3 marks)

*…………………………………………………………………………………………………………………..*

*…………………………………………………………………………………………………………………..*

*………………………………………………………………………………………………………………….*

*…………………………………………………………………………………………………………………..*

What score did you get? /23

*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 marks.*