**Review Worksheet: Cerebral Cortex Size, Prognathism and Dentition**

**Name: ……………………………………………………………..**

*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, correct it, and fill in the reflection section. Questions marked \* require you to use reasoning, inferring and application of knowledge, or perhaps extra research to get the answer. It won’t be right there in the text.*

1: List features of the human cerebral cortex that are different from the brains of closely related Great Apes, and what this larger brain allows humans to do.

(5 marks)

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2: How is the human skull adapted to house a larger brain?

(5 marks)

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3: What trend can be seen in cranial capacity of extinct hominins as they become more closely related to humans?

(1 mark)

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4: Which evolved first, bipedalism or larger cranial size?

(1 mark)

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5: What are endocasts, and what do they tell us about evolutionary trends in extinct human ancestors?

(6 marks)

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6: Describe the evolutionary trends seen in dentition in extinct human ancestors.

(4 marks)

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7: 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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Go back and mark your work using the marking key provided. What score did you get? /41

*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.*