**Review Worksheet: Transition to Modern Humans**

**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: Which hominin is currently thought to be the most likely common ancestor of both *Homo neanderthalensis* and *Homo sapiens* and what was its likely geographical range?

(2 marks)

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

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2: What environmental event caused *heidelbergensis* to diverge into the two species and what was the effect of the event on the environment and selection pressures in Europe and Africa?

(4 marks)

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3: What was the time frame for existence of *Homo neanderthalensis* and what was their geographical range?

(2 marks)

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4: List the anatomical features of *H. neanderthalensis* that were similar to, and different from *Homo sapiens:*

(4 marks)

|  |  |
| --- | --- |
| **Neanderthals were anatomically different to humans because… (3.5)** | **Neanderthals were anatomically similar to humans because… (0.5)** |
|  |  |

5: Describe the diet of *Homo neanderthalensis* and give reasons for their dietary adaptations.

(4 marks)

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6: What major changes can be seen in the tool making of *Homo neanderthalensis* that were not evident in previous extinct hominins?

(6 marks)

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7: What is the name given to the Neanderthal tool industry?

(1 mark)

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

8: Tick to show which of the following aspects are known to be features of Neanderthal culture and lifestyle:

(2 marks completely correct table)

|  |  |
| --- | --- |
| **Feature** | **Tick if it applies to Neanderthals** |
| Made art on the walls of caves |  |
| Buried their dead |  |
| Wore clothing |  |
| Had language |  |
| Hunted |  |
| Made tools from ivory, bone and antler |  |
| Made and used fire |  |

9: When are *Homo sapiens* first thought to have arisen as a species?

(1 mark)

…………………………………………………………………………………………………………….



10: Describe the steps involved in Sanger sequencing:

(18 marks)

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Go back and mark your work using the marking key provided. What score did you get? /44

*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.*