**Review Worksheet: Chromosome Mutations**

**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 and describe the types of mutation that can occur to chromosomes

(5 marks)

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2: What are the differences between a deletion that occurs as part of a gene mutation, and a deletion that occurs as part of a chromosomal mutation?

(6 marks)

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3: Fill in the following table:

(10 marks)

|  |  |  |
| --- | --- | --- |
| **Syndrome** | **Chromosomal abnormality** | **Features** |
| Down Syndrome |  |  |
| Patau Syndrome |  |  |
| Klinefelter’s Syndrome |  |  |
| Cri-du-chat Syndrome |  |  |
| Turner’s Syndrome |  |  |



4: Fill in the blank cells to identify the lobes and areas of the cerebrum

(10 marks)

|  |  |  |
| --- | --- | --- |
| **Function** | **Lobe** | **Area** |
| Thinking, problem solving, emotions, personality, language, motor control |  |  |
| Receiving information about temperature, touch, pain and taste |  |  |
| Processing sensory information |  |  |
| Receiving Visual Information |  |  |
| Processing Visual Information |  |  |
| Receiving Auditory Information |  |  |
| Processing Auditory Information |  |  |
| Initiating Motor Movement |  |  |
| Processing Motor Movement |  |  |
| Receiving Olfactory information |  |  |

Go back and mark your work using the marking key provided. What score did you get? /31

*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.*