**Dear Hardworking Year 11 biology students!!**

I hope you had a good weekend.

During today’s lesson, I would like you all to hand in completed Chapter 4 Review Questions and the Biochallenge ones too.

If you have finished, rather than start Ch 5 (and the puzzle sheet with the teacher) I think it would be useful to have a quick look at some genetically inherited disorders.

Go to: <http://learn.genetics.utah.edu/content/disorders/whataregd/>

I would like you to complete the following sheet OR you can change my suggestions.

This is only a short activity. Please only take about 30 mins. Explain each of the conditions and how the karyotype differs from a normal person. I have started Down Syndrome for you…

Work hard. See you tomorrow. Mrs Butler

|  |  |  |
| --- | --- | --- |
| **Down Syndrome**   * Also called trisomy 21 * Extra Chr 21-reduced life span – 50 yrs * Produces individuals with the following characteristics: …….. * Health issues are ……. * They also exhibit moderate to severe mental retardation; ………… * Karyotype :http://learn.genetics.utah.edu/content/disorders/whataregd/down/images/trisomy21_karyotype.jpg | **PKU** | **Cystic Fibrosis** |
| **Turner’s Syndrome** | **Galactosemia** | **Huntington’s disease** |