Genetics Science 10

Projects

The cumulative assessment for this section will be based on the following 4 assignments :

1. DNA structure and function – draw, label and give the function of DNA including the following terms – double helix, chromosome, nitrogenous base, phosphate group and sugar.
2. Complete the package that discusses Punnett squares. (see teacher)
3. Choose a disease, syndrome or illness that is caused by a genetic disorder and do the following : Name and history (who discovered it and/or when was it discovered)

What is the genetic abnormality that causes the issues?

What is/are the phenotypes that are caused by the abnormality?

What is the prognosis of having this abnormality?

Is there a treatment or a cure for this abnormality?

1. Choose a critter and talk about the adaptations that this critter has that allows it to survive and thrive in its natural environment.
2. Give English name and scientific name
3. Where is this critter found in the world?
4. What does this critter eat?
5. Describe its environment. (May draw it or build a diorama)
6. Describe the adaptations that it has to survive in its environment.

Example – that allows it to feed itself, protect itself, house itself

This adaptations may by physical, physiological and behavioural