**Yr 9 Maintaining balance – Research assignment**



Homeostasis is the maintenance of stable internal environment. Sometimes animals and plants contract a pathogen, a disease-causing organism, or experience a deficiency or excess of a nutrient that throws homeostasis out of balance.

Research ONE of the following diseases and be sure to include the following criteria, if applicable, in your research:

* Origin of the pathogen;
* Nature of the disease; i.e. contagious/ communicable.
* How it is contracted;
* Signs and symptoms;
* Impact on homeostasis- how it causes homeostatic imbalance. Relate to body systems.
* Prevention and treatment;
* Bibliography.

Choose ONE from the following list.

* Intestinal worms;
* Potato blight;
* Diabetes;
* Malaria;
* Goitre
* Gout
* Tuberculosis
* Ringworm
* Dieback (root rot)
* Meningitis
* HPV
* Ergot
* Other of your choice (See your teacher first).

Due Date: Thursday August 10 2017.

**Marking Key**

|  |  |
| --- | --- |
| **Criteria** | **Marks** |
| Origin / nature of disease  |  /1 |
| Signs and symptoms |  /2 |
| How it is contracted  |  /1 |
| Impact on homeostasis  |  /2 |
| Prevention of treatment  |  /2 |
| Bibliography  |  /1 |
| Presentation  |  /1 |
| **Total**  |  **/10** |

**[-1 mark] for a very brief account for every section (not enough detail)**

**[-1 mark] for not including all criteria**