**Bio 12 Digestive System Assignment** Name\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

## Introduction:

The human body is a very efficient machine. Most of the time it works well, adjusting to changes in the environment, resisting infections, and adapting to meet a host of potential dangers. However, the human body is not perfect; it cannot always cope with a particular infection or its own systems may fail and sickness results. This assignment will give you an understanding of one disorder in detail. It should make you aware of sources of information about human disorders, or the many support programs that are available for some diseases and give you a greater understanding of the problems that face some disabled or afflicted person.

# Assignment:

It adds interest to the topic if you can select a disorder with which you are familiar, either directly or indirectly. Perhaps you, or a member of your family, have suffered from a particular disorder and you could usefully learn more about the disease.

**Disorder examples to choose from**: acid reflux, hemorrhoids, Crohn’s disease, celiac disease, cirrhosis of the liver, diarrhea, constipation, ulcers, gallstones, food poisoning, lactose intolerance, pancreatitis, Gastroesophageal Reflux Disease (GERD), Celiac Disease, Ulcerative Colitis, Irritable Bowel Syndrome, Bowel Control Problems (Fecal Incontinence), etc.

**What to do:**

1. Research from a variety of sources: books and the Internet (look for specific sites from Canada such as the Canadian Celiac Association, Health Canada, etc.).
2. Write a short summary.
3. Present the information to the class. 5-10min
   1. Title
   2. Introduction: a brief description and explanation of the disorder
   3. Stats: who does it affect and what percentage of the population.
   4. Cause or causes, risk factors and prevention of the disorder (if any) microorganism, faulty gene, etc
   5. Symptoms of the disorder
   6. Treatment for the disorder
   7. Side effects or associated problems
   8. Other relevant or interesting facts
   9. Bibliography (cite at least 3 web sites)
   10. In your own words, no cut and paste

Some site that you may find useful:

<http://digestive.niddk.nih.gov/ddiseases/a-z.asp>

<http://www.mayoclinic.com/> -click on diseases and conditions and you get an a-z glossary

<http://www.nlm.nih.gov/medlineplus/digestivesystem.html>

<http://www.cdhf.ca/>

<http://www.hc-sc.gc.ca/hc-ps/dc-ma/index-eng.php>

<http://digestive.niddk.nih.gov/statistics/statistics.htm#specific> - lots of stats here

**Biology 12 – Digestive Disorder Research**

**Self Evaluation Rubric Researcher’s Name**

Use the following number system in your evaluation:

1 – No evidence of this

2 – Needs Improvement

3 – Meets Expectations

4 – Exceeds Expectations

Circle the appropriate number and then make and positive constructive (1-2) or positive comment in the comment section.

|  |  |
| --- | --- |
| Item | Self Evaluation |
| Introduction of Topic – include a brief description and explanation of the disorder. Also include diagram of organ system. | 1 2 3 4 Comments: |
| Description of key terms – be sure to define any new words and body parts (use correct anatomical terminology). | 1 2 3 4 Comments: |
| Include cause (s) of the disorder – if known | 1 2 3 4 Comments: |
| Include the symptom (s) of disorder | 1 2 3 4 Comments: |
| Include the treatment(s) and cure (if any) of the disorder | 1 2 3 4 Comments: |
| Include any side effects or associated problems. | 1 2 3 4 Comments: |
| Organization – Is each slide well organized and do all of the slides follow a logical sequence? | 1 2 3 4 Comments: |
| Design – Does the presentation make good use of colour and graphics? | 1 2 3 4 Comments: |
| Document all sources and graphics. At least three web sites. | 1 2 3 4 Comments: |
| Other interesting facts – famous people, research, etc | 1 2 3 4 Comments: |

**Biology 12 – Digestive Disorder Research**

**Peer Evaluation Rubric Researcher’s Name**

**Peer Evaluator’s Name**

Use the following number system in your evaluation:

1 – No evidence of this

2 – Needs Improvement

3 – Meets Expectations

4 – Exceeds Expectations

Circle the appropriate number and then make and positive constructive (1-2) or positive comment in the comment section.

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**Biology 12 – Digestive Disorder Research**

Presenter:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Topic: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Two things you learned