

Name _____

Date _____

Human Disorders/Diseases

Human disorders and diseases threaten us because they reduce our bodies' ability to maintain homeostasis. The next two units in this class are on physiology. Included in these two units, we will examine how our bodies maintain homeostasis and how diseases disrupt this ability. In order to do this, each student will carry out independent research, in which he or she will investigate and present to the class one human disorder or disease.

The Assignment:

Your assignment is to carry out library research on an assigned human disorder or disease. You will complete some form of written assignment about this disorder or disease, and you will present this information to the class. Your written assignment can take one of several forms. It could be a traditional research paper; it could be in the form of a poster; it might be in the form of a pamphlet, such as you would find in a doctor's office waiting room; it could be written as a newspaper article. There are many other formats the written assignment can take, however, if you choose one of those that is not listed, please check with your teacher prior to starting. The information that will be included in the written assignment is summarized below.

Your presentation to the class will be 5 to 10 minutes in length, and will include all of the information that is in your written assignment (see below). You are encouraged to use notes during your presentation to class.

Information to Include:

Your written assignment and presentation should be a summary of information about the assigned disorder or disease. It should include an introduction, a body and a summary or conclusion. The body must include:

- a description of the cause of the disorder or disease - for example, genetic, bacteria, virus, environmental
- the organs or systems that are affected and how they are affected
- symptoms and diagnosis
- prognosis
- how it disrupts the body's ability to maintain homeostasis
- the typical human population that gets it (age, sex, race, etc.)
- the number of people who have it or get it
- cures or treatments
- prevention
- contagiousness

Research:

There are numerous tools you can use to research your topic. Books on human diseases and disorders have been put on reserve in the library. There are numerous magazines and newspapers available. You can use the Internet. **HOWEVER YOU ARE NOT PERMITTED TO USE ENCYCLOPEDIAS OR INTERNET ENCYCLOPEDIAS.** Whatever the format of your written assignment, you must include a complete bibliography, including all Internet sources. You must use a minimum of 3 resources.

My topic is _____. It is due on _____.

Topics:

Nutrition/Digestion:

diabetes
Crohn's disease

ulcer

gall stones

Excretion:

cirrhosis of the liver
kidney failure

urinary tract infection

kidney stones

Circulation:

heart attack
anemia

stroke
leukemia

hypertension

Respiration:

emphysema
asthma

pneumonia

bronchitis

Movement:

arthritis
gout

osteoporosis

tendonitis

Regulation/Coordination:

Tourette's syndrome
meningitis

polio
cerebral palsy

multiple sclerosis