

DUE DATE: *Remember we do NOT have class on Dec. 3rd!*
December 10th, 2007

ASSIGNMENTS:

- Make sure you have printed out DNA notes (Review these and bring to class)
- Review DNA chapter and questions. Make sure these are completed by class. Don't forget to do the definitions.
- Write a sentence or two explaining the purpose and result of EACH of the following DNA processes: REPLICATION, TRANSCRIPTION, and TRANSLATION.
- Make sure all of the genetic worksheets in the packet are completed as well as the problems that were assigned last week.
- Study genetics vocabulary/chapter/problems—I will be sending a test home with you next class to be turned in on 12/17.
- RESEARCH a genetic disorder to find out the following:
 - o What genetic make-up identifies the disorder? (which chromosome is involved and where does the mutation occur?)
 - o Cause of the disorder (mutation, recessive or dominant?, sex-linked?)
 - o Symptoms and/or recognizable traits
 - o Treatments and/or cures
 - o Facts characterizing the disorder (How many people have the disorder?, who does it affect... Ex. more likely in males, African Americans, people of Jewish descent, etc.)

You should write at least a paragraph about each of the above questions. It would be nice if you could print out a picture as an example of your disorder because you will be sharing a 1-2 minute explanation of your disorder with the class. Use the Internet and/or a local library to get your information. Make sure the report is in your own words. Plagiarism will not be tolerated. Be sure to make a list of all sources you use. Call or e-mail me with questions... sdpearre@gmail.com, 410-857-2398

Below are your assigned topics....

Genetic Disorder Assignments:

Loren B. = Tay-Sachs disease

Bryan B. = Down syndrome

Joy B. = Dwarfism

Josh G. = Trisomy 13

Dean G. = Klinefelter's syndrome

Jonathan J. = Huntington's disease

Paul M. = Phenylketonuria

Chelsea M. = Cystic fibrosis

Andrew P. = Tourette syndrome

Natalie P. = albinism

Nathan P. = Xeroderma Pigmentosum

Matthew P. = Sickle cell anemia

Luke S. = Hemophilia

Heather S. = Wilson's disease

Marina W. = Turner syndrome

Adam W. = Prader-Willi syndrome