

Genetics

Worksheet 3

WEBQUEST

Adapted from:

<http://www.randolph.k12.nc.us/schools/serms/Teachers/cgales/Documents/genetics%20webquest.pdf>

General Genetics

Go to the following website <http://library.thinkquest.org/3696/index2.htm>, click on **Getting Started** and answer the questions:

1. What is Genetics?

2. What are Genes made of?

Click on **Operations of DNA**

3. If DNA were straight it would be _____.

4. DNA's shape is called a _____.

5. DNA is made of _____.

Click on **Operations of Chromosomes**

6. DNA coils up to form a _____.

7. How many chromosomes does a mosquito have?

8. How many chromosomes does a cabbage plant have?

9. How many chromosomes does a human have?

Genetic Disorders

Go to the following website <http://www.nlm.nih.gov/medlineplus/geneticdisorders.html> and answer the questions:

10. What is a genetic disorder?

11. What is a mutation in a gene?

12. What are some ways mutations can happen?