Exploring Mutations

LT: I can use text and video information to describe types of mutations and how mutations can impact the organism. Standard: 3.1d

Tasks:

1. Visit the following links:

https://www.youtube.com/watch?v=GieZ3pk9YVo

https://www.youtube.com/watch?v=EA0qxhR2oOk&feature=youtu.be

https://learn.genetics.utah.edu/content/disorders/

2. Respond to the following:
   a. How do mutations in DNA cause changes in an organism's traits?
   b. Why do insertions and deletions have the potential to be most dangerous?
   c. The mRNA codon CUU could mutate to C_____ and still code for Leucine, which could be a neutral mutation.
   d. What is nondisjunction?
   e. Why is the Sickle Cell mutation gene considered to be a disadvantage and an advantage?

Amino Acid Codon Chart