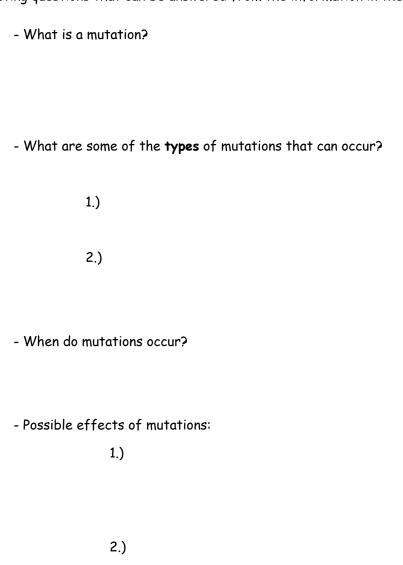
Notes - Amoeba Sisters - Mutation Video

<u>Instruction</u>

While watching this video many valuable and interesting pieces of information will be shown/heard. You should
be actively participating by both watching and thinking about what is being presented. To help you I have some
prompting questions that can be answered from the information in the video.



3.)

Notes - Amoeba Sisters - Mutation Video

Instruction

While watching this video many valuable and interesting pieces of information will be shown/heard. You should be actively participating by both watching and thinking about what is being presented. To help you I have some prompting questions that can be answered from the information in the video.

- What is a mutation?

Answer - a change in nucleic acids for either DNA or RNA.

- What are some of the types of mutations that can occur?
 - 1.) Gene mutation (substitution, insertion, deletion) may result in a different functioning protein.
 - 2.) Chromosome mutation (duplication, deletion, inversion, translocation) -
- When do mutations occur?

Answer - often during DNA replication or meiosis.

- Possible effects of mutations:
 - 1.) Neutral no change to the amino acid or function of the protein results
 - 2.) Advantageous the change results in positive result when the protein function different.
 - 3.) Deleterious a negative side effect occurs as the protein functions differently in a way that is not advantageous (harms) the organism.