Mutations Practice Test

True False Questions

Indicate True or False for the following Statements.

1. Deletions occur when a segment of DNA is repeated. ( True/False )

2. A mutation is a change in the DNA sequence. The change is always harmful. ( True/False)

Multiple Choice Questions

For each question, four alternative choices are given, of which only one is correct. You have to select the correct alternative and mark it in the appropriate option.

3. Which best describes a translocation?

a. A segment of DNA from chromosome 8 is swapped with a segment from chromosome 2. b. A segment of DNA moves from chromosome 8 to chromosome 2.

c. A segment of DNA from chromosome 8 is lost.

d. A segment of DNA from chromosome 2 is repeated.

4. What type of mutation is the following: CAGGTTGCAAG to CAGTTGCAAG

a. point mutation

b. all of the above

c. deletion

d. frameshift mutation

5.What type of mutation occurs when a segment of DNA is flipped and then reattached to the same chromosome?

a. translocation

b. insertion

c. inversion

d. deletion

6. Why are chromosomal mutations dangerous?

a. Chromosomal mutations are going to be fairly large, possible affecting many genes. b. all of the above

c. Chromosomal mutations are always frameshift mutations.

d. Chromosomal mutations always result in deletions.

7. What type of mutation is the following: AGTTACCAGGC to AGTTTACCAGGC

a. inversion

b. translocation

c. insertion

d. deletion