Types of Point Mutations in DNA

Wild Type (Normal DNA segment)

Some chemical or physical event can “knock-out” a nucleotide from the strand

Substitution Mutation

Explain what has happened to the segment above:

Deletion Mutation

C

G

C

G

For the mutation above explain where the original break was and

describe the mutation:

Strand Break (Usually repaired without problem)

G

G

C

C

Insertion Mutation

G

C

G

C

Describe the mutation above: