Biology Chapter 12 Section 4 Mutations

Objectives: Students will

A) Define the three types of point mutations.

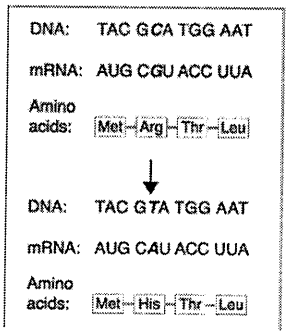
B) Define the four types of chromosomal mutations.

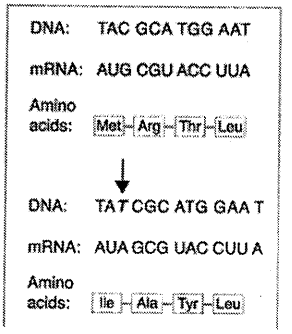
C) Explain the impact of mutations on the body.

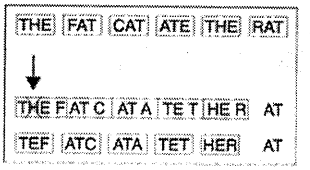
OBJ. A) DEFINE THE 3 TYPES OF POINT MUTATIONS.

What is a point mutation?

What is happening in each? **Why?**







OBJ. B) EXPLAIN THE IMPACT OF MUTATIONS ON THE BODY.
Mutations are rare.

Humans inherit _____ base pairs from each paren

Considering single base substitutions = _____ targets of substitutions
Single base substitutions = most apt during _____ copying of __ phase

Even the most highly skilled _____ will introduce errors when copying a manuscript. So does _____ even though it _____

Mutations are estimated to occur at a rate of ___ in every ____ _____ _____.

With 6×10^9 base pairs this means that each new cell contains some _____ new mutations.

Worried? _____ _____
Most (as much as _____) of our DNA does not _____ anythin

OBJ. B) EXPLAIN THE IMPACT OF MUTATIONS ON THE BODY.

Complete the chart for the three mutations discussed:

Name of disease	Summary of what happens during the mutation.

Lesson Summary:
3 things I learned are:

2 questions I still have are:

1 thing I will never forget is: