GROUP MEMBERS:_____

DNA STRAND: **THE FAT CAT ATE THE RAT**

TYPE OF MUTATION	INSTRUCTION	RESULT
ADDITION	Add "A" in front of 2nd "The"	
DUPLICATION	PUT TWO "RATS" TOGETHER	
INVERSION	Invert the word "ATE"	
DELETION	DELETE "CAT"	

THREE-LETTER WORD SENTENCE KEY

SENTENCE	RESULT
ATH EFA TCA TAT ETH ERA	SICKLE CELL ANEMIA
THE FAT CAT ATA TET HER	DIABETES
ATT HEF ATC ATA TET HER	CANCER
THE FAT CAT ATE RAT THE RAT	COLOR BLINDNESS
THE FAT CAT RAT ATE THE RAT	EXTRA TOE
THE FAT CAT ATE THE RAT RAT	EXTRA TEETH
THE FAT CAT ETA THE RAT	MIGRAINES
THE FAT CAT THE RAT ATE	DYSLEXIA
THE FAT CAT ATE THE RAT	NORMAL DNA
THE FAT CAT THE RAT	TURNER'S SYNDROME
THE FAT ATE THE RAT	MISSING SKIN

1. FOLLOW INSTRUCTIONS PROVIDED FOR EACH TYPE OF MUTATION. FROM THE NEW SENTENCE USE THE KEY TO FILL IN THE RESULTS COLUMN.
2. AFTER THE CHART IS FILLED IN WRITE EACH RESULT INDIVIDUALLY ON A POST-IT, TAKE POST-ITS AND PLACE ON THE POSTER BOARD WHICH REPRESENTS THE TYPE OF MUTATIONS. (EACH POST-IT SHOULD HAVE ONE (1) RESULT WRITTEN ON IT.)
3. WHEN ALL GROUP ARE DONE, WALK AROUND AND OBSERVE ALL RESULTS ON THE POSTER BOARDS.