Remember- DNA is a CODE.

**Key Point #1- DNA must be transcribed.**

**Key Point #2-Structure of RNA.**

GAATTACA

CCAATTAG

ATAGACAG

CCAGTACA

**Key Point #3-There are 3 types of RNA involved in protein synthesis.**

DNA: ATTAGGCCGGATTAGCCTATT

RNA:

DNA: ATTGCATTATCGATTATCCTA

RNA:

**Key Point #4- Translation turns mRNA into a protein.**

**Translation step 1:**

What is a codon?

**3 nucleotides=1 codon=1 amino acid**

How to use a codon chart:

mRNA: AUG CCC UUU GAG AAG CGU UAA

amino acid chain: meth-hist-

mRNA strand: AUG GGG UGG AGA AGU GUG UGA

amino acid chain:

mRNA strand: AUG AGU AAC CCA UAA

amino acid chain:

