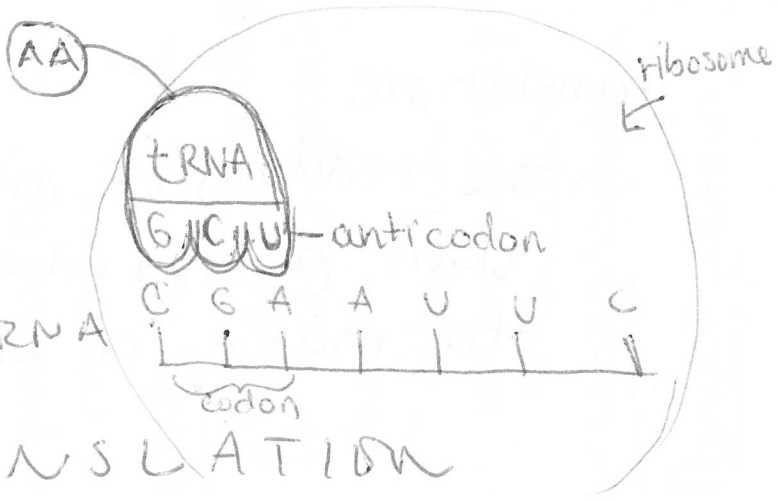
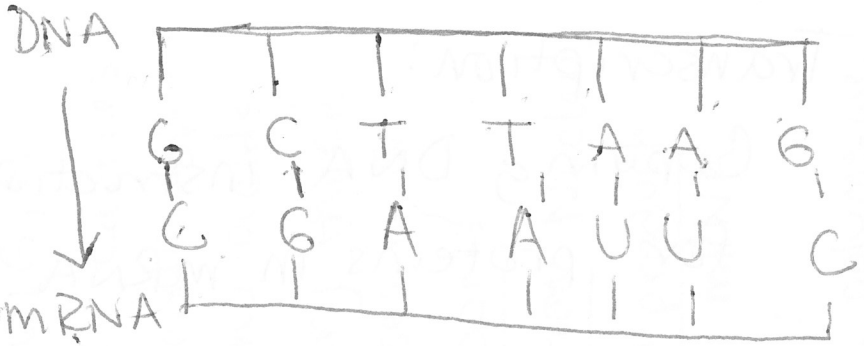
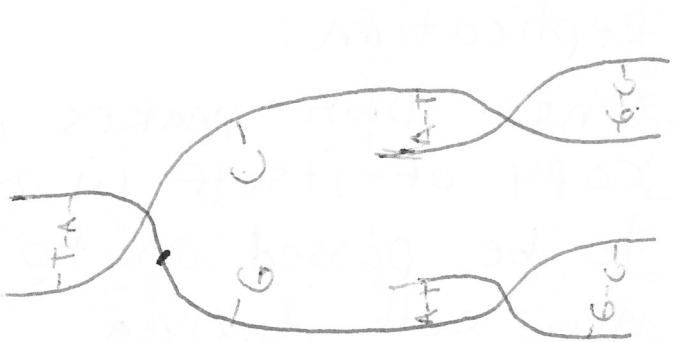



TRANSLATION




TRANSCRIPTION




REPLICATION

DNA Replication:

When DNA makes a copy of itself in order to be passed on to a new cell during cell division

Transcription:

Copying DNA instructions for proteins in mRNA.

Translation:

The reading of mRNA by tRNA, @ the ribosome, to make a protein

Nitrogen bases:

A, T, G, C

Location:

Nucleus

When:

Sphase - interphase

Used:

① Helicase

② DNA polymerase

Nitrogen bases:

A, U, G, C

mRNA: carries the code for amino acids

* every three bases is a CODON!

Location: Nucleus

Final product

mRNA

Used:

RNA polymerase

Start codon:

AUG

rRNA: makes up part of the ribosome

tRNA: carries an AA and transfers it to the protein chain

- Anticodon which pairs up with codon

Location: cytoplasm

Producti protein