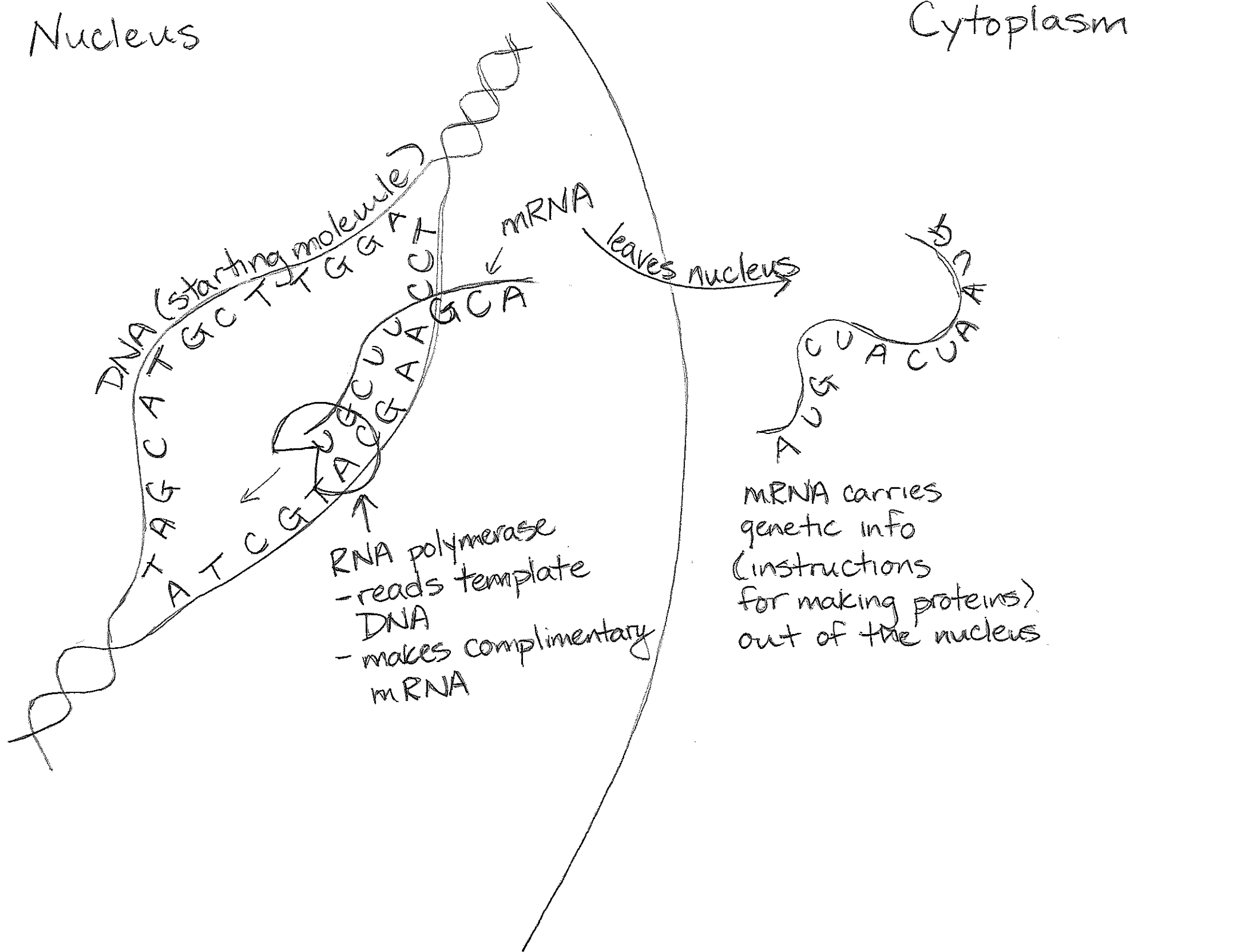


Nucleus

Cytoplasm



DNA (starting molecule)
 T A G C A T G C T T G G A T
 A T C G T A C G A G C A

RNA polymerase
 - reads template DNA
 - makes complimentary mRNA

mRNA
 leaves nucleus

A U G C U A C U A A

mRNA carries genetic info (instructions for making proteins) out of the nucleus

Transcription takes place in the _____

The starting material, _____, is "read" by _____

This enzyme then builds _____

by following _____ . The product of

transcription, _____, performs its function: to