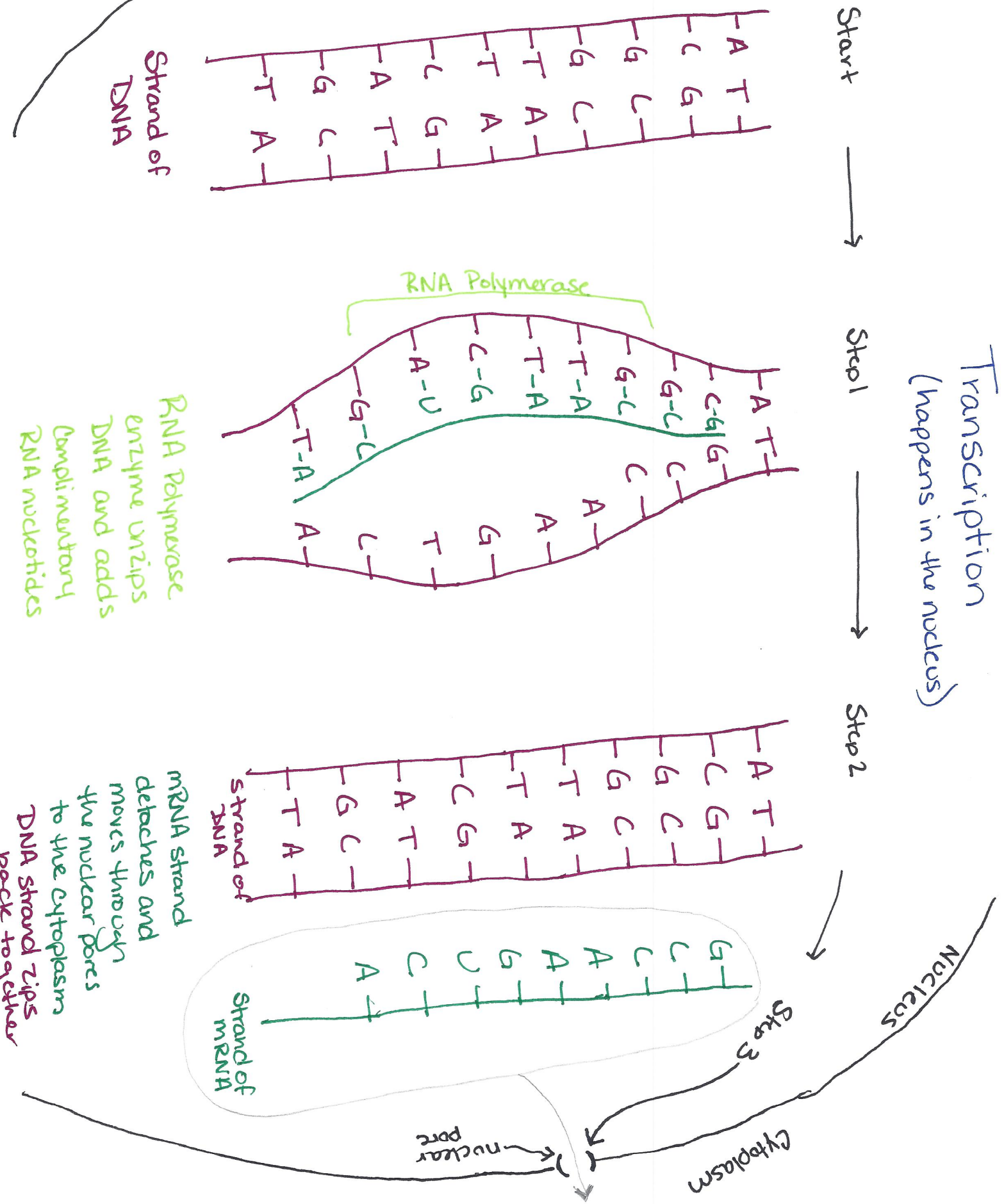


Transcription (happens in the nucleus)



Strand of DNA

RNA Polymerase

RNA Polymerase enzyme unzips DNA and adds complementary RNA nucleotides

RNA strand detaches and moves through the nuclear pores to the cytoplasm

DNA strand zips back together

Start

Step 1

Step 2

Step 3

Nucleus

Cytoplasm

nuclear pore

Strand of mRNA

Strand of DNA