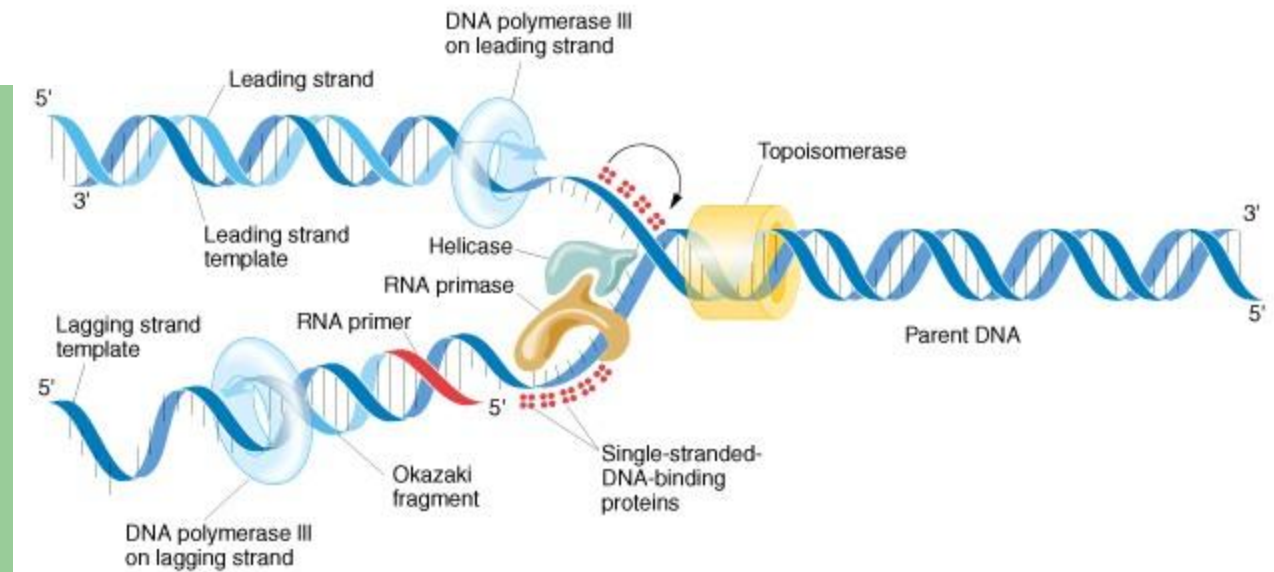


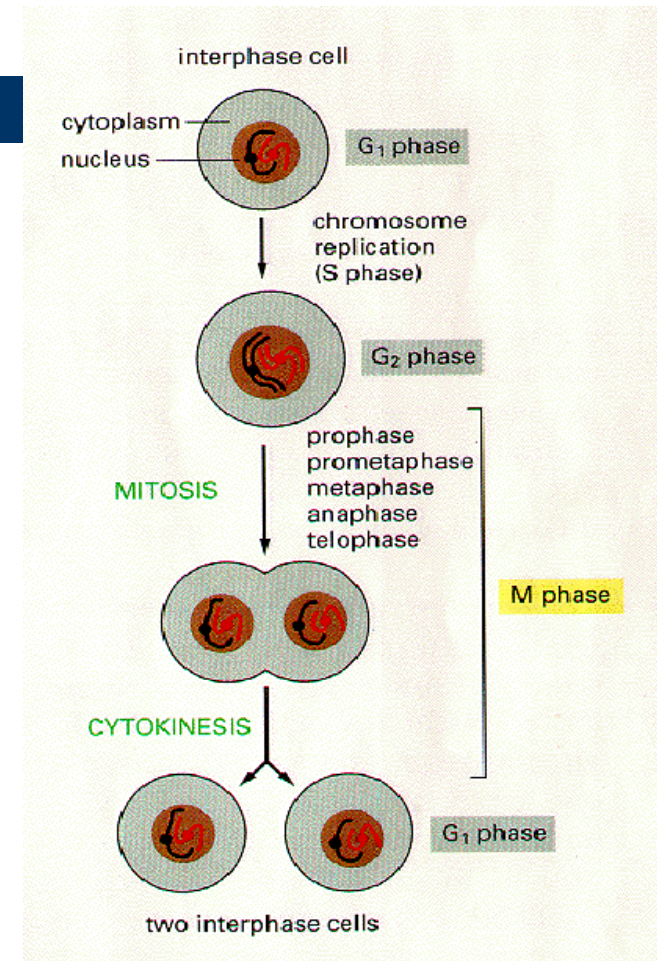
# Replication



Duplicating DNA ...

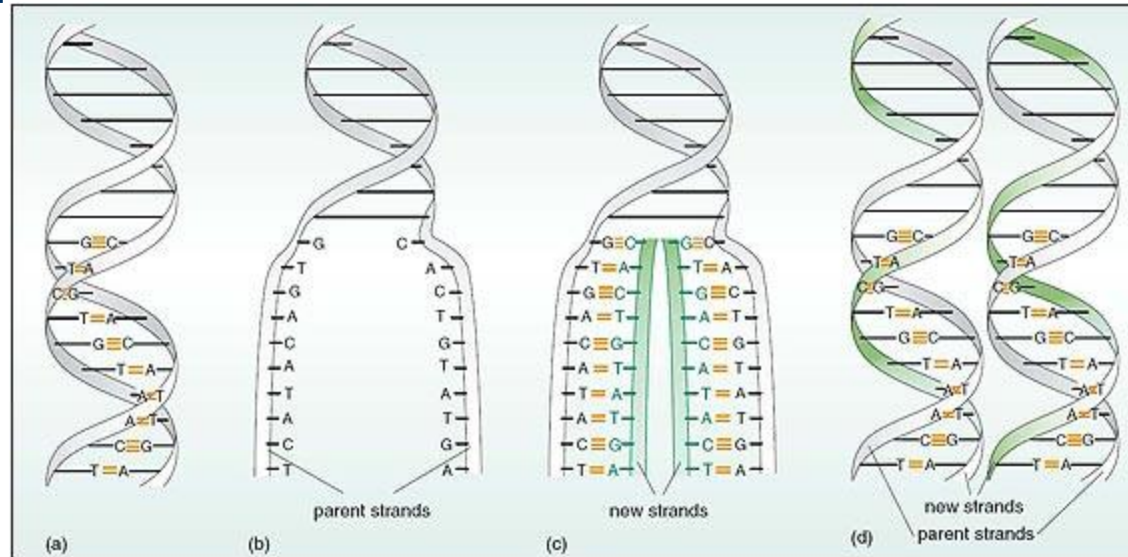
# Why replicate DNA?

- For cell division
- Each daughter cell needs DNA
- Each cell gets its own double-helix – identical to original cell



# How does it happen?

- DNA “unzips” exposing each strand
- DNA Polymerase (enzyme) does the work
- Complementary bases added to each strand
- New strands wrap into double helix
- Each copy of double helix has one old strand & one new strand



# What does it look like?



**Replication\_F.mov.mov**