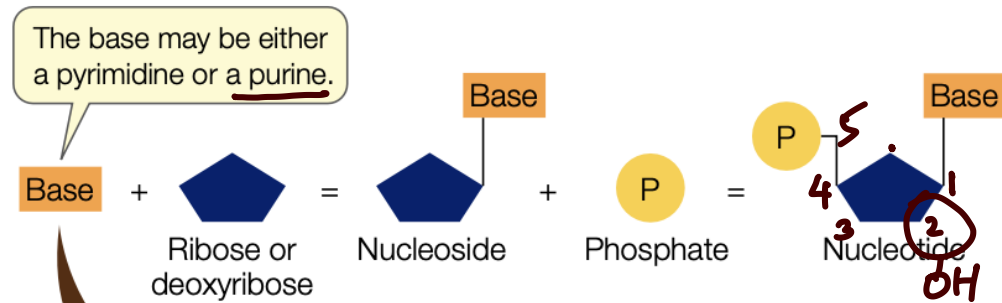


Essentials of Genetics

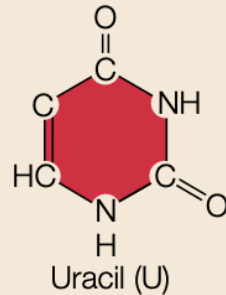
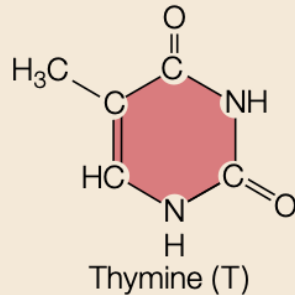
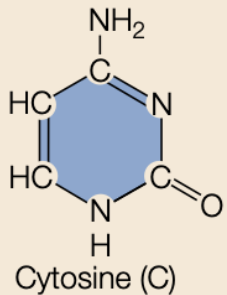
DNA

न्यूक्लियोटाइड

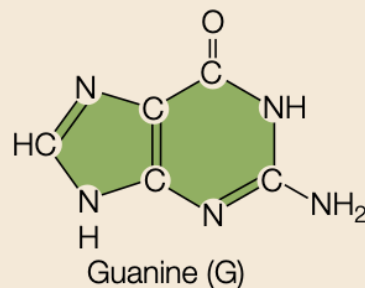
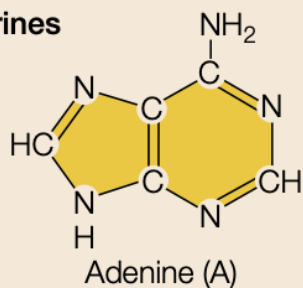
- DNA (Deoxyribonucleic Acid – डीऑक्सीराइबोन्यूक्लिक एसिड) न्यूक्लियोटाइड्स (nucleotides) का एक पॉलिमर (polymer) होता है.
- यह या तो single stranded (एकल-सूत्रीय) होता है या double stranded (द्वि-सूत्रीय) होता है.



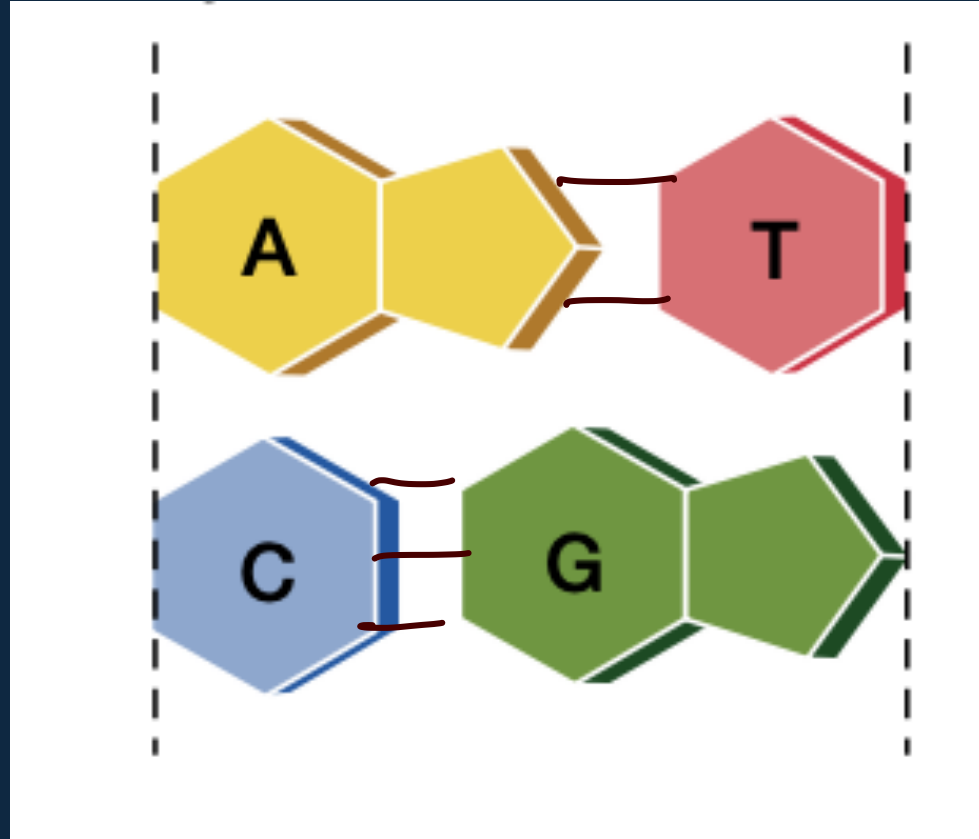
Pyrimidines



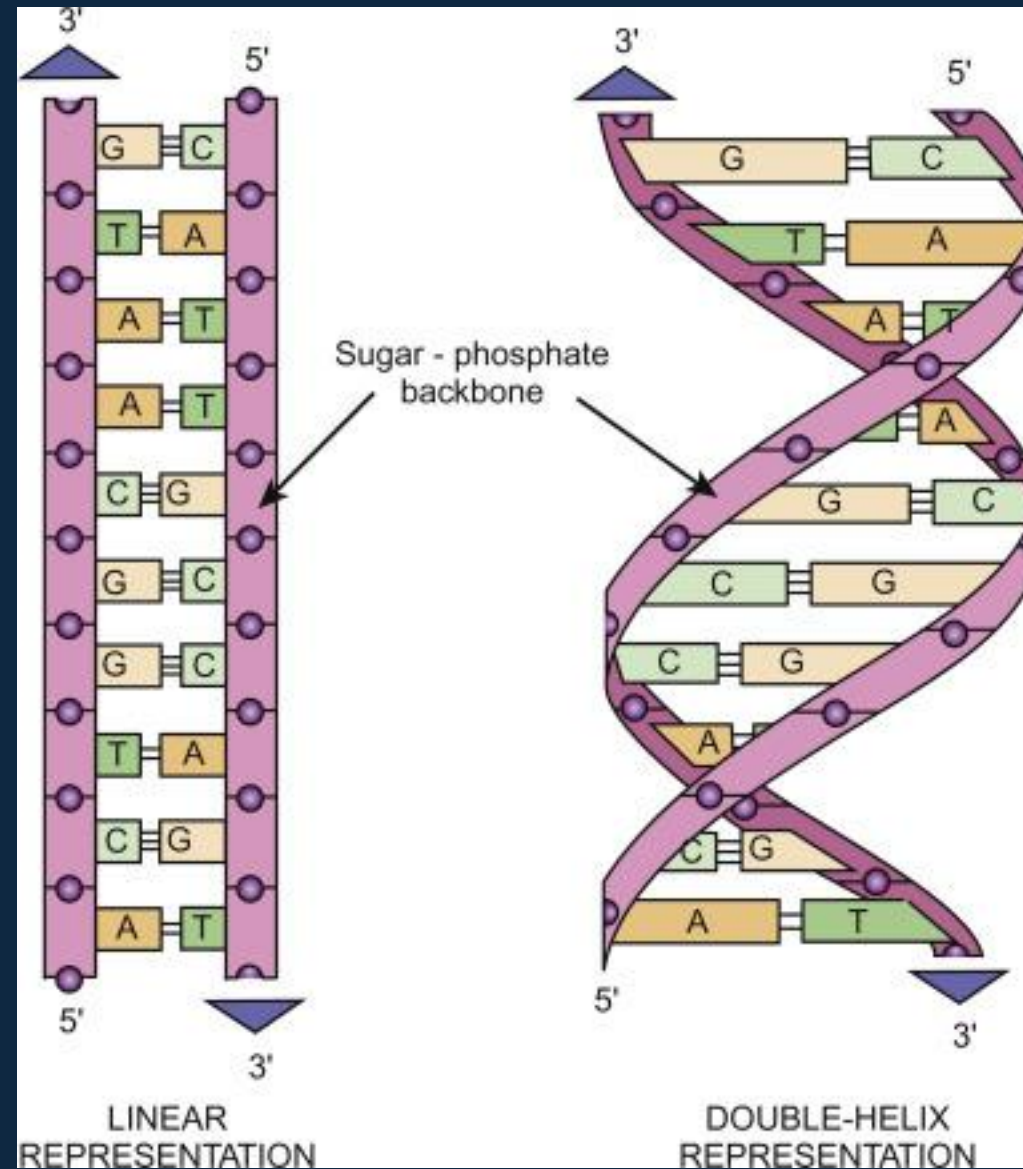
Purines



न्यूक्लियोटाइड क्षार युग्म



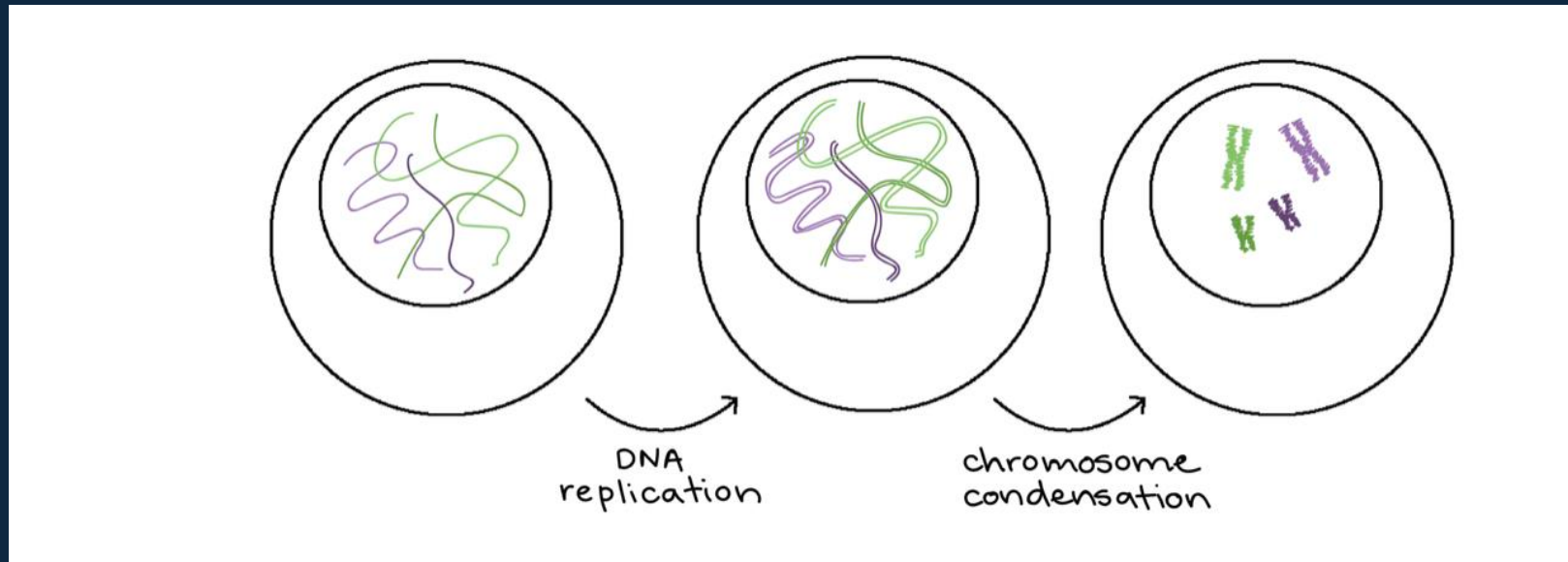
Double Stranded Structure



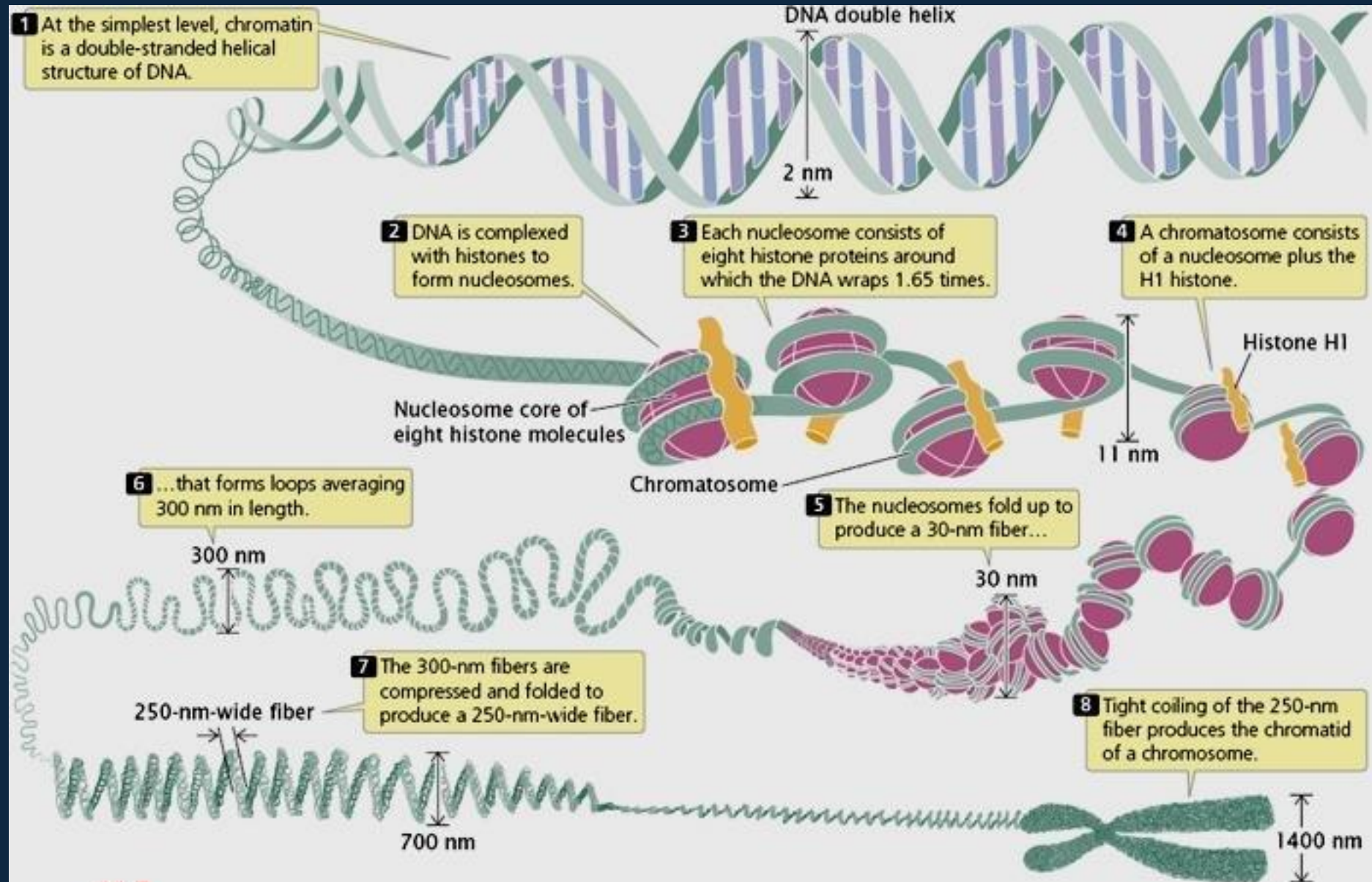
DNA & RNA

NUCLEIC ACID	SUGAR	BASES	STRANDS
RNA	Ribose	Adenine Cytosine Guanine Uracil	Single
DNA	Deoxyribose	Adenine Cytosine Guanine Thymine	Double

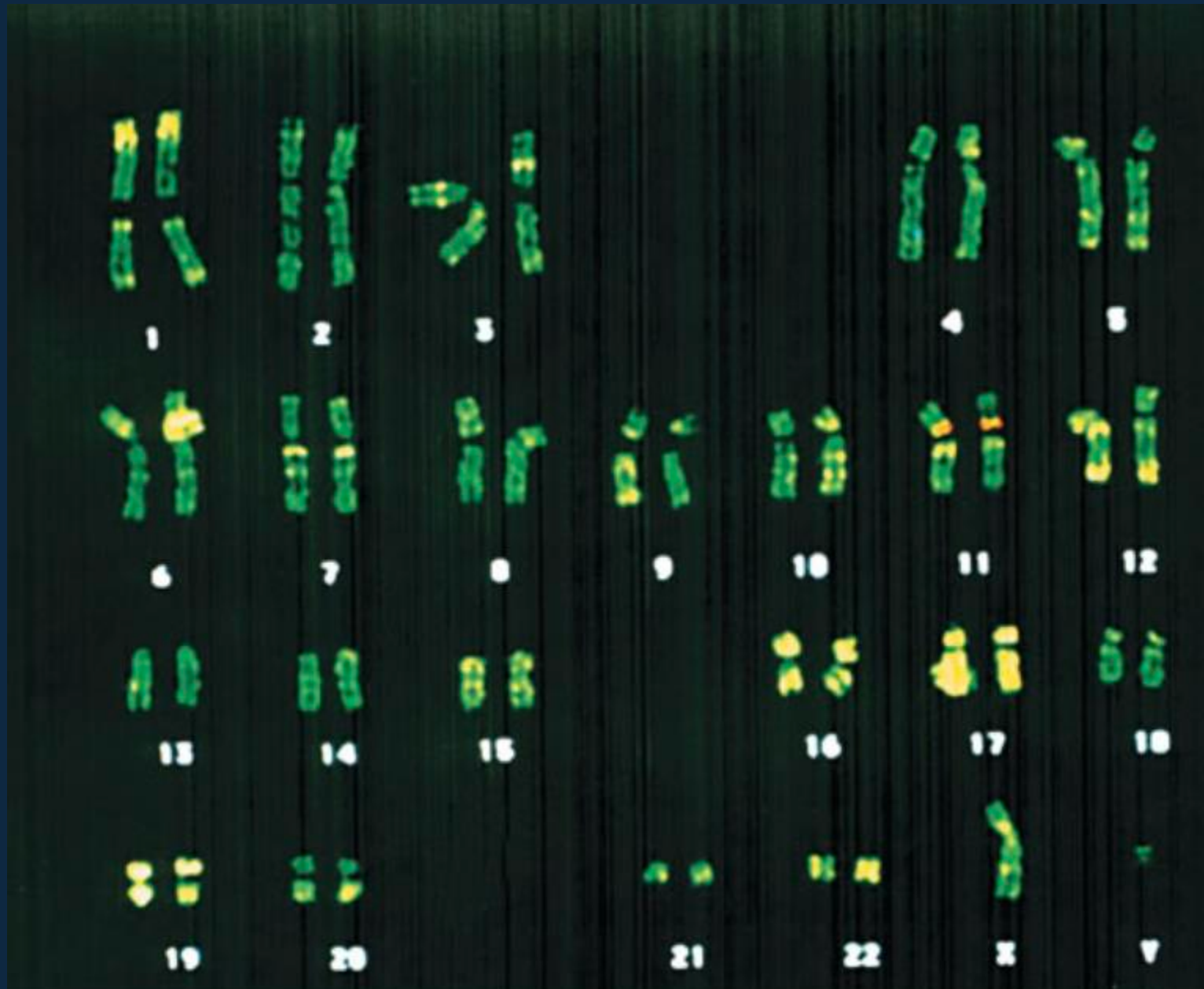
DNA to Chromosome



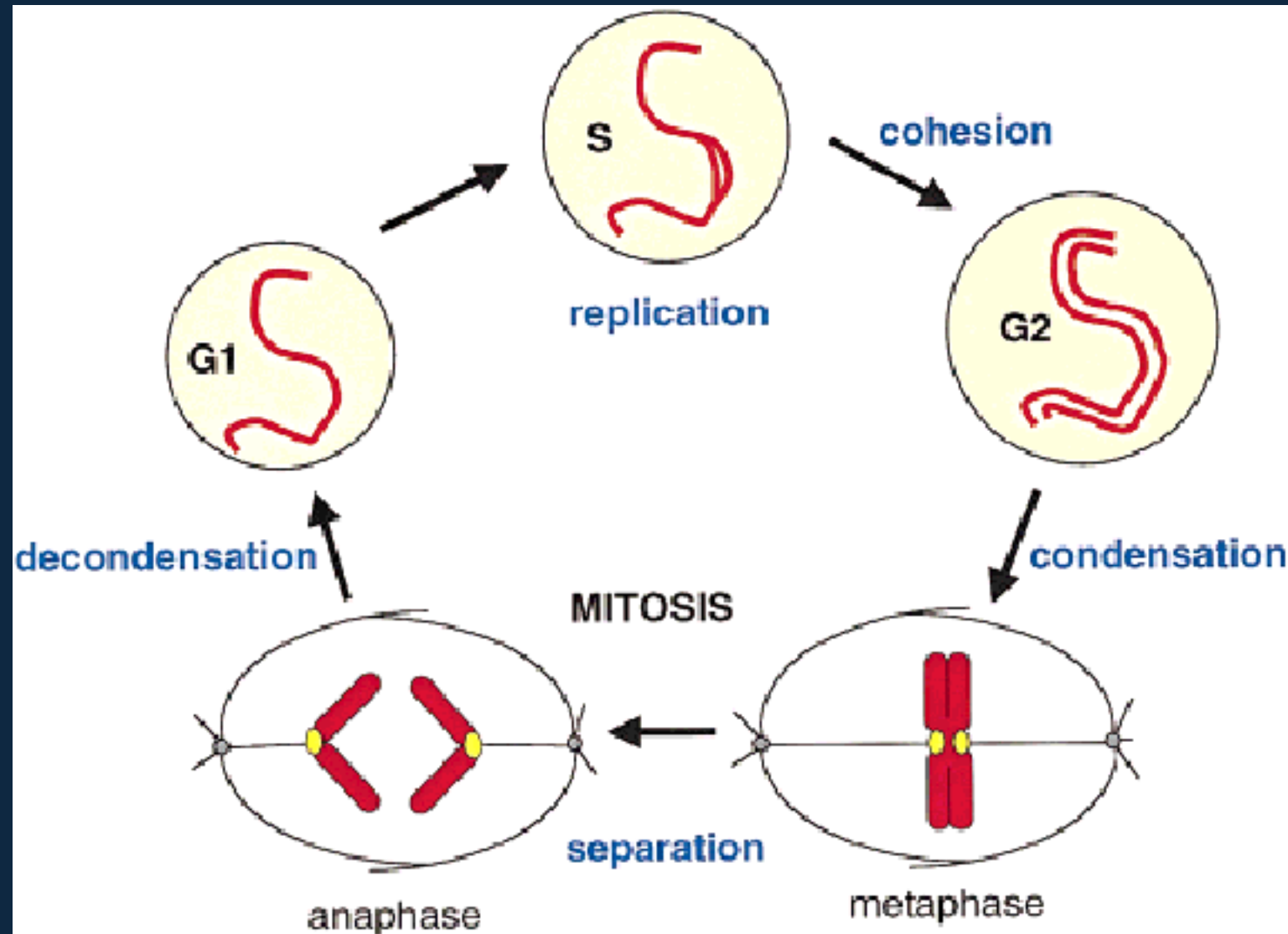
DNA to Chromosome



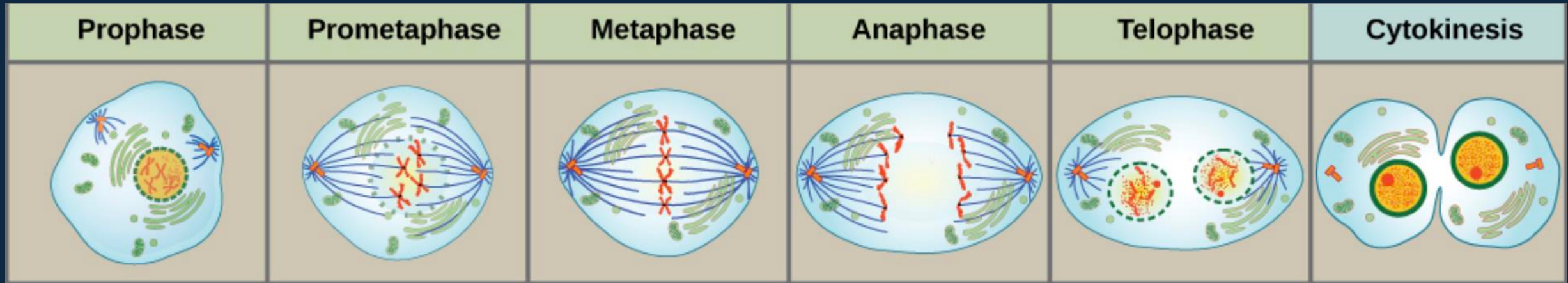
Human Chromosomes



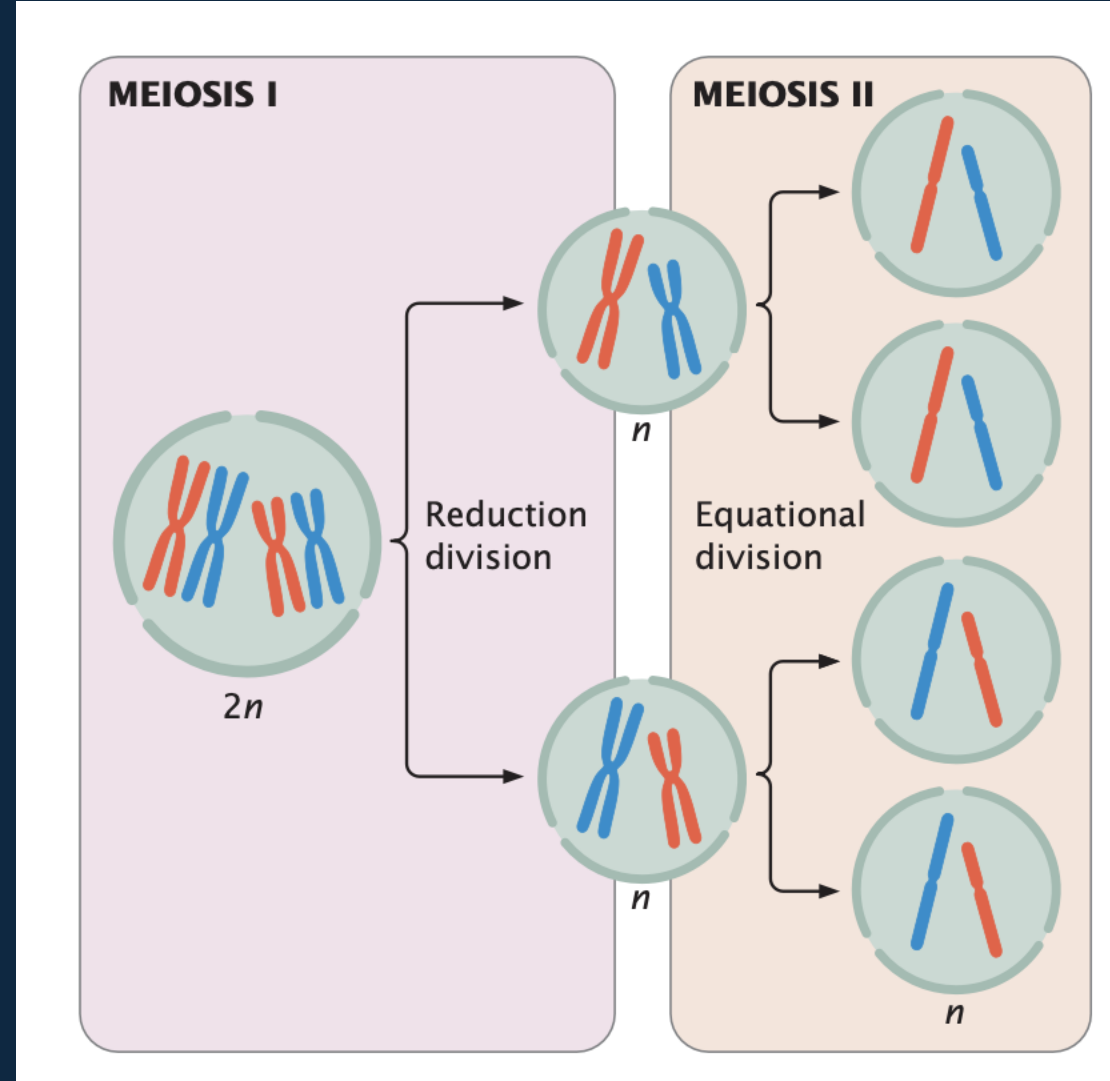
Chromosome Cycle



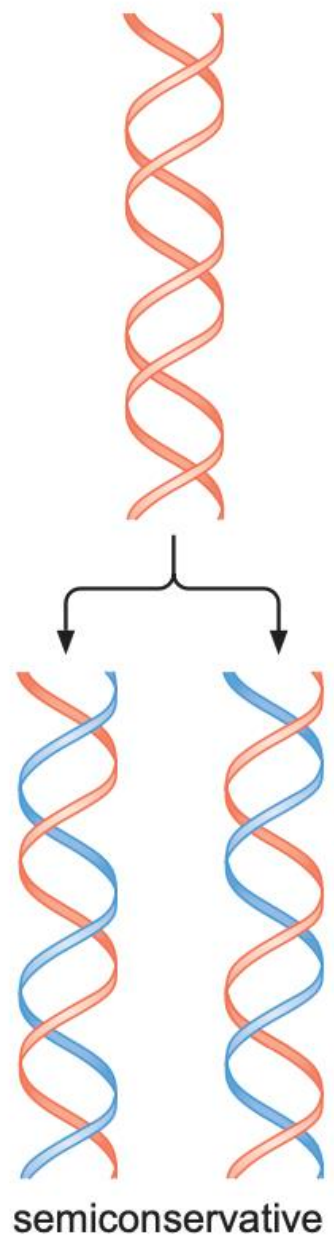
Mitosis



Meiosis

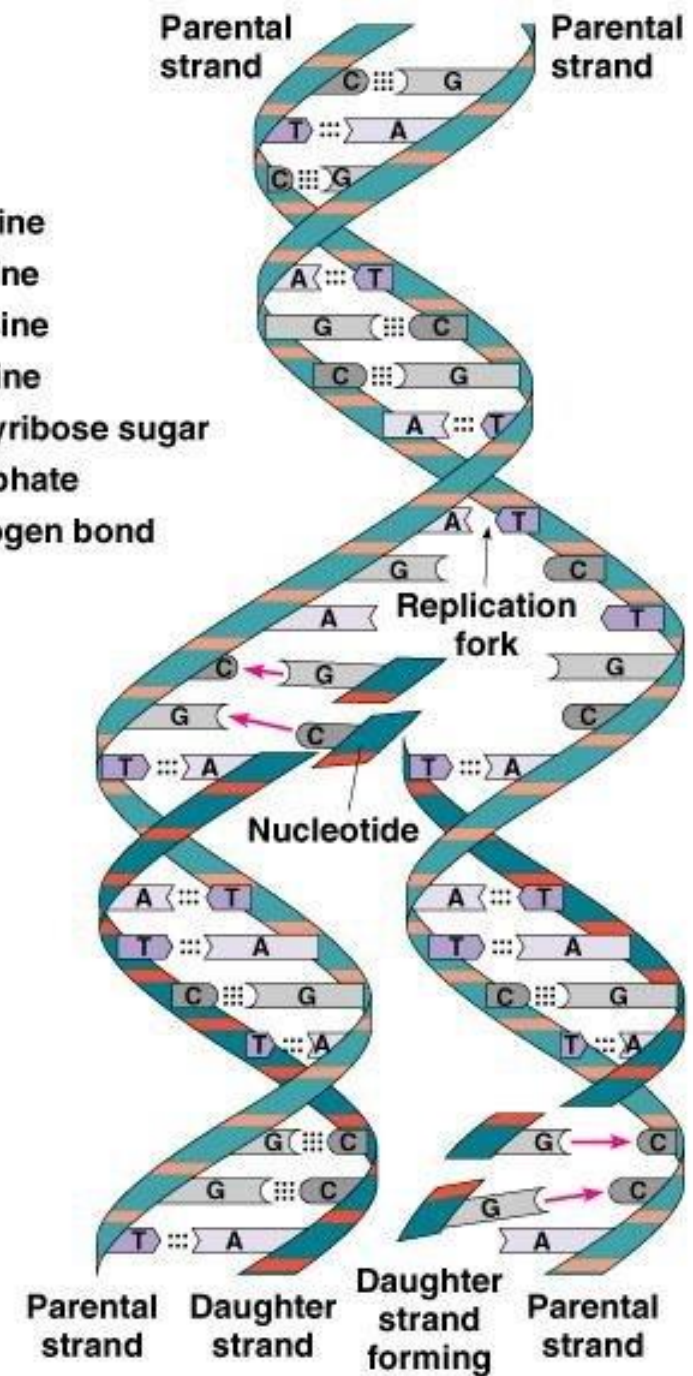


DNA replication



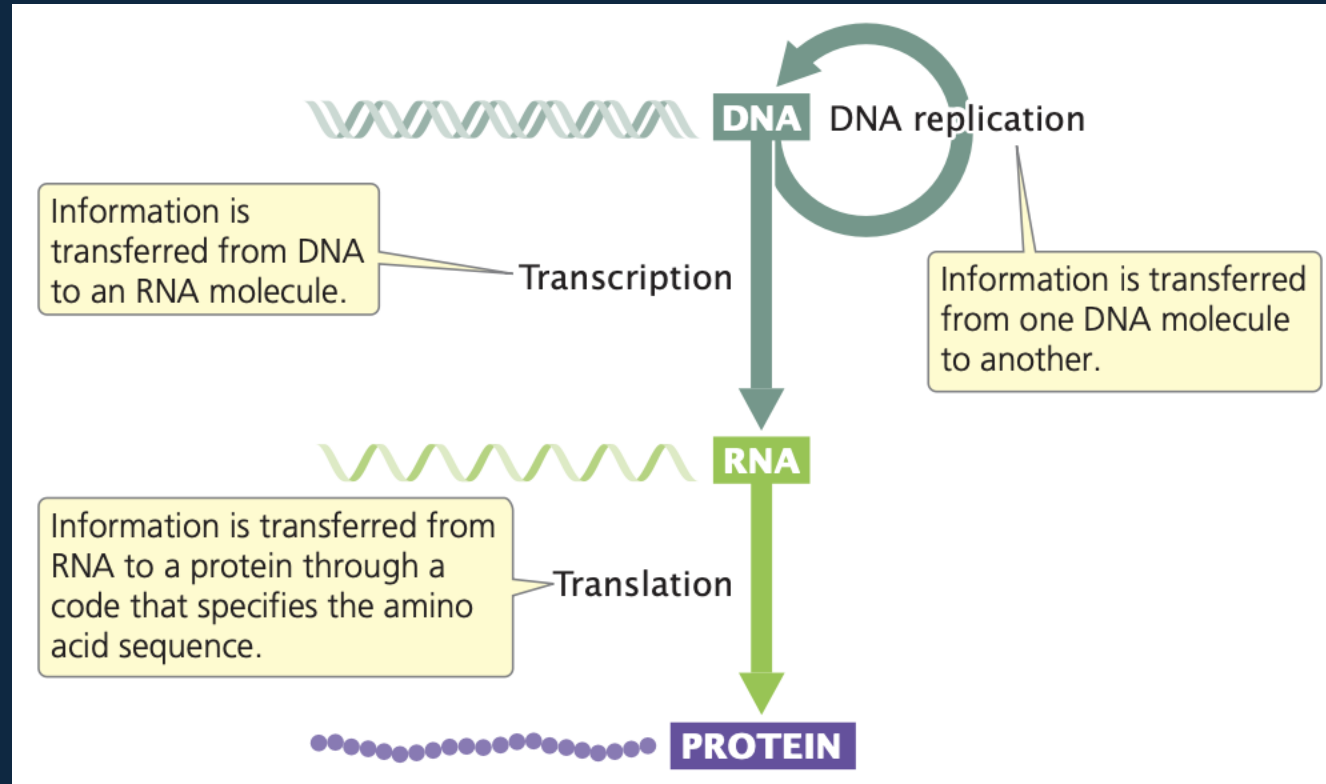
Key:

-  Thymine
-  Adenine
-  Cytosine
-  Guanine
-  Deoxyribose sugar
-  Phosphate
-  Hydrogen bond

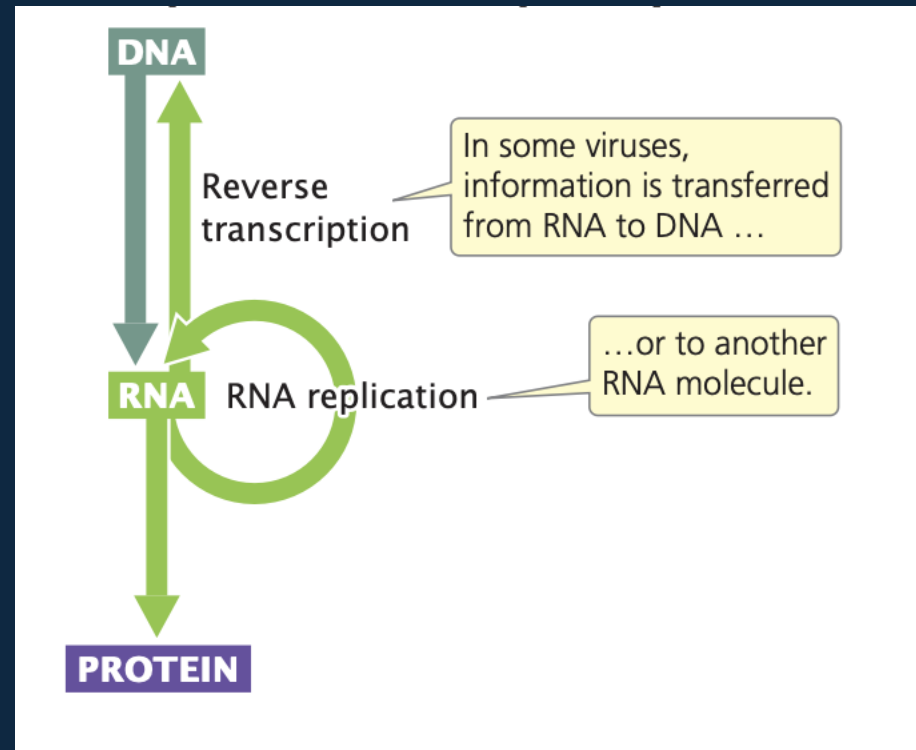


Central Dogma, Gene Expression

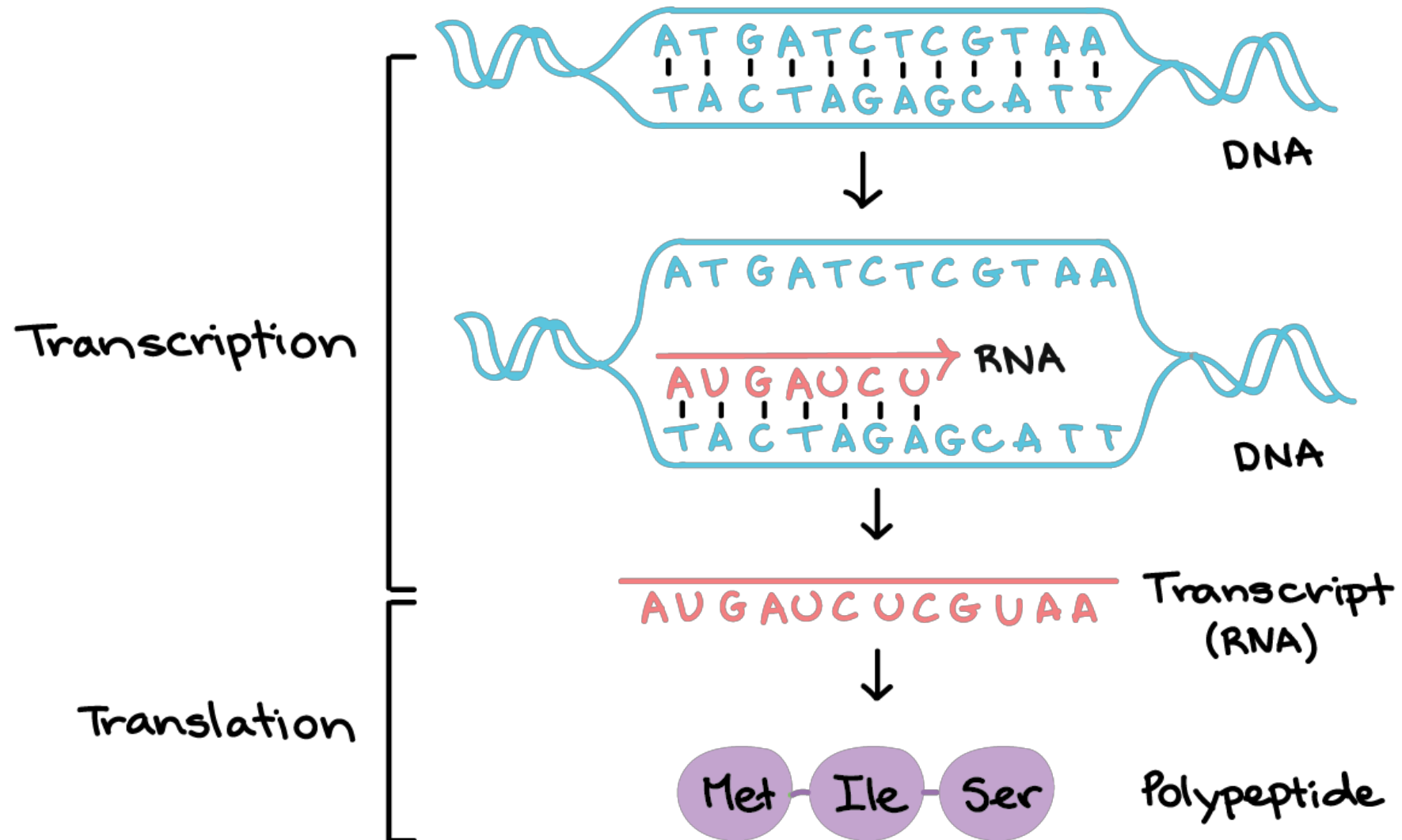
Central Dogma



RNA Virus Pathways



Transcription



Translation

