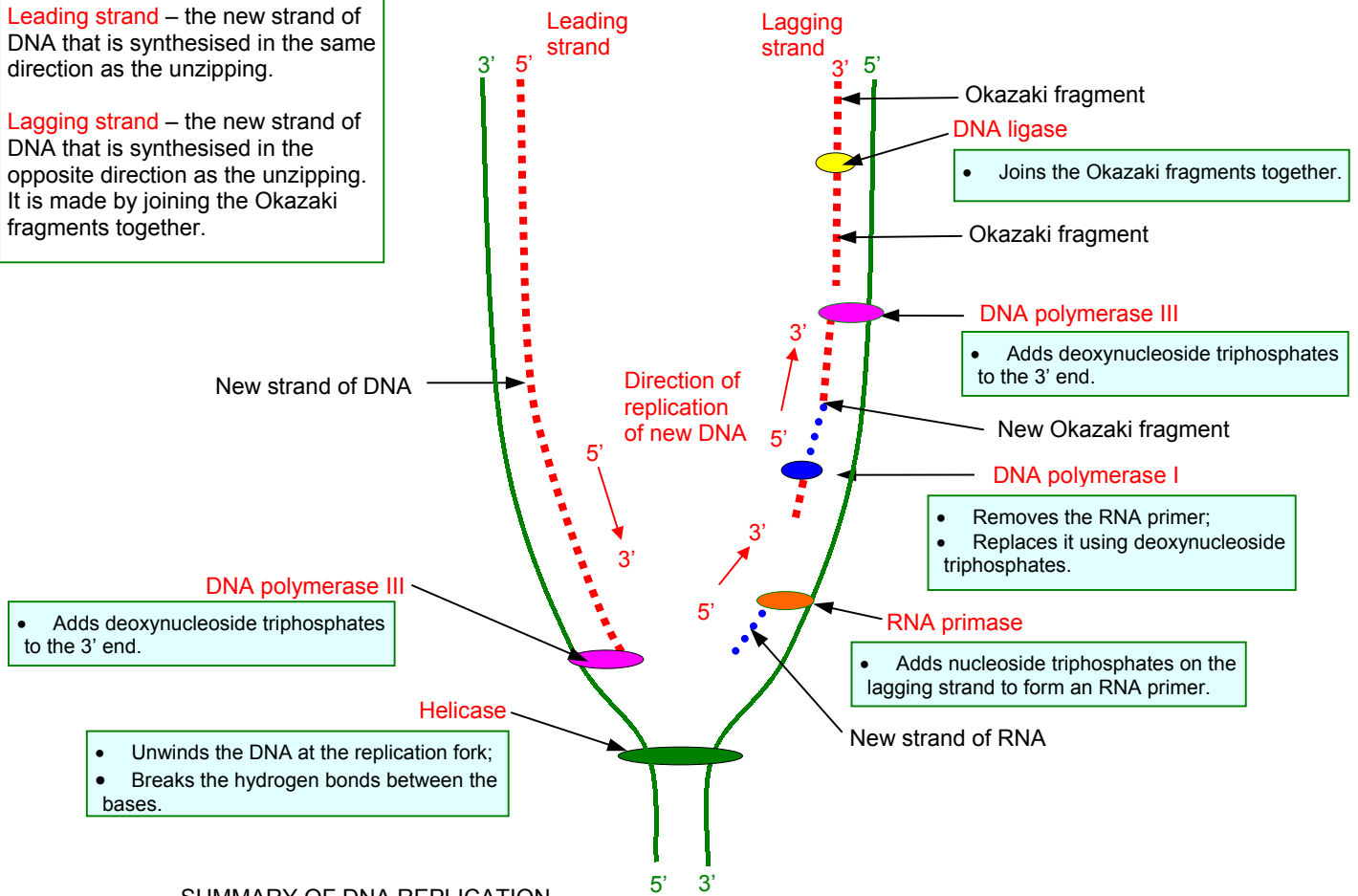


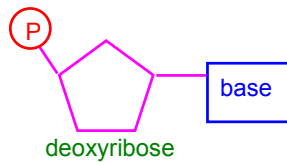
Leading strand – the new strand of DNA that is synthesised in the same direction as the unzipping.

Lagging strand – the new strand of DNA that is synthesised in the opposite direction as the unzipping. It is made by joining the Okazaki fragments together.



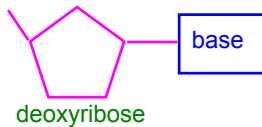
Deoxynucleoside triphosphates

You will remember that a nucleotide consists of deoxyribose + base + phosphate.



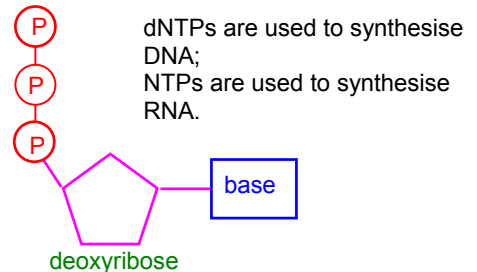
Deoxynucleoside triphosphates

A deoxynucleoside is just deoxyribose + base.



Thus a deoxynucleoside triphosphate is a deoxynucleoside with three phosphates.

The standard abbreviation for a deoxynucleoside triphosphate is dNTP and for a nucleoside triphosphate (ribose instead of deoxyribose) is NTP.



In eukaryotic chromosomes replication is initiated at many points. Can you suggest a reason for this?

State the components of a nucleosome.