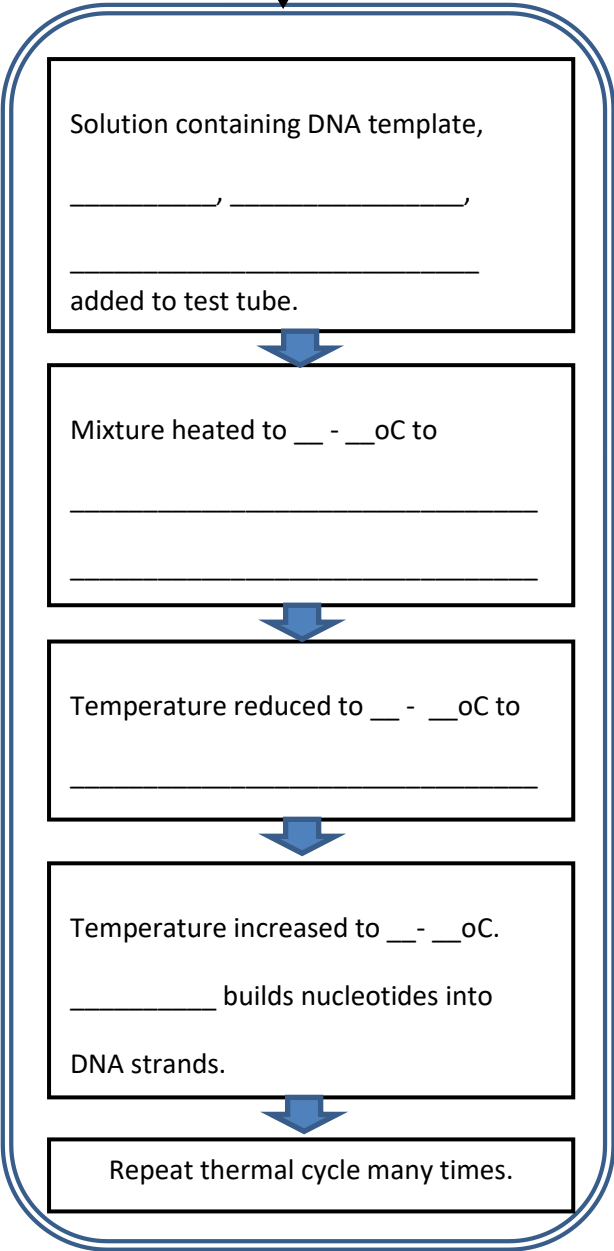


Complete the flow chart to show the steps involved in PCR.



When does DNA replication occur?

Draw lines to match the enzyme to its function(s) during DNA replication.

<i>Enzyme</i>	<i>Function in DNA replication</i>
DNA polymerase	causes DNA to unwind
Ligase	joins fragments on lagging strand
	Adds free nucleotides to 3' end

Replication of DNA

Why are two different primers needed for PCR?

List 3 uses of DNA amplified through PCR.

1. _____
2. _____
3. _____

What is the function of a primer?

At what end of DNA are nucleotides added?

Explain why the "lagging" strand has to be copied in fragments.

What type of bonds form between adjacent nucleotide bases?

Name 5 substances that are required, in order for DNA replication to take place.

1. _____
2. _____
3. _____
4. _____
5. _____