

18/mhs06/009

1. **DNA replication steps.** There are three main steps to **DNA replication**: initiation, elongation, and termination. In order to fit within a cell's nucleus, **DNA** is packed into tightly coiled structures called chromatin, which loosens prior to **replication**, allowing the cell **replication** machinery to access the **DNA** strands

2.  
Relaxes the  
super-  
coiled **DNA**

**DNA** helicase

Unwinds the double helix at  
the **replication** fork

Primase

Provides the starting point  
for **DNA polymerase** to  
begin synthesis of the new  
strand

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