- Adenylation
 - Pyrophosphate group is released, AMP is added to lysine in the enzyme's active site

▼ Transfer

Pyrophosphate linker is formed after NDA ligase transfers AMP to 5' phosphate at the end of DNA

Ligation

5' phosphate combines with 3' hydroxyl to create a phosphodiester bond

▼ DNA Replication Full Process

- Starts at centre of replication
- DNA strands unwind and create replication fork
 RNA primase makes RNA primers
- DIA on leading stand DNA polymerase III pla
- is made as replication fork moves along lagging strand New RNA

DNA polymerase III extend the RNA primers

- Fragments made in the process are called okazaki fragments
- DNA polymerase I replaces RNA primer with DNA
- DNA ligase joins the fragments together