

Virology Live Fall 2021
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Study Questions for lecture 8 – Viral DNA Replication

These questions are intended to summarize key points from this session and prepare you for the exams.

1. What are the different topologies of DNA viral genomes? How are the DNAs replicated?
2. Where in the cell do DNA viruses replicate?
3. Why is viral DNA replication always delayed after infection?
4. Do DNA viral genomes always encode a DNA polymerase? If not, where does the polymerase come from?
5. What is the function of a viral origin of replication?
7. How is the 5'-end problem solved during viral DNA replication?
8. Viruses do not replicate well in non-dividing cells. Why not, and how is this limitation avoided?