

Virology Live Fall 2021
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Study Questions for session 11 – The Infected Cell

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

1. What is the function of signal transduction pathways? How might viral replication alter these pathways to favor viral replication?

2. How does virus infection impair cellular mRNA synthesis, processing, and turnover?

3. How is poliovirus mRNA translated if viral infection leads to inhibition of 5'-end dependent translation?

4. What is the purpose of the cell inhibiting translation during virus infection? How is this inhibition accomplished? How is it overcome to allow viral protein synthesis?

5. How are glycolysis, fatty acid metabolism, and the TCA cycle manipulated to favor viral replication?