





8. Vaccines work to prevent many viral infections (e.g. smallpox), but vaccines are not effective against HIV. Why the difference?

### **Integration, Transcription, and Translation**

9. What role does integrase play in HIV reproduction?

10. What is a provirus?

11. What happens to the HIV provirus every time its host cell reproduces? Is this good for HIV? Does this harm the host cell right away? Later? Explain.

