1. Which step in the HIV lifecycle is key to HIV persistence in the body?
   a. Assembly of new HIV viruses
   b. Integration of HIV’s genetic material into cell’s genome
   c. Neither
   d. Manufacture of HIV proteins

2. Do current anti-HIV drugs eradicate HIV? Why/why not?
   a. No. Not effective enough.
   b. Yes. It limits detection.
   c. No. Integrated HIV is not recognized by anti-HIV drugs
   d. Yes. Virus suppresses replication.

3. Which types of cells explain why latent HIV persists despite HAART?
   a. CD4+ T cells
   b. HIV virions
   c. HIV RNA
   d. CD8+ T cells

4. Naïve CD4+ T cell production is ________ at birth and __________ in adulthood.
   a. Minimal; Increases
   b. Maximal; Increases
   c. Minimal; Declines
   d. Maximal; Declines

5. In latency, when does the virus become active again?
   a. When CD4+ T cells re-activate
   b. CD4+ T cells remain stable
   c. They do not become active
   d. When CD4+ T cells multiply
6. HIV persists in only one location in the body.
   a. True
   b. False

7. Which of these is established rapidly after infection?
   a. Antibodies
   b. Reservoir
   c. Protein channels
   d. CD4+ T cells

8. According to several clinical trials, HDAC inhibitors can ________ latent HIV.
   a. Deactivate
   b. Trap
   c. Reactivate
   d. HDAC inhibitors do not serve a purpose

9. CD4+ T cells respond to signals from the environment via where?
   a. Receptors on cells’ surface
   b. Receptors located in cells’ inner energy source
   c. Receptors on neighboring cells’ surface
   d. None of the above

10. Which one of these is a currently identified negative regulator?
    a. PD-LL
    b. PD-L3
    c. PD-L2
    d. PD-1
Answer Key
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