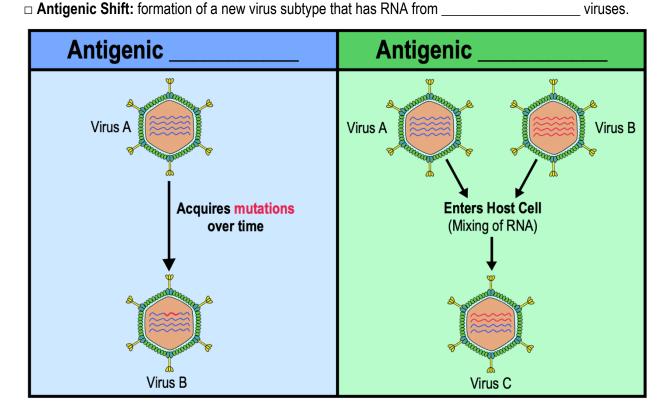
CONCEPT: ANIMAL VIRUSES: ANTIGENIC DRIFT & ANTIGENIC SHIFT

Replicase has no proofreading ability, which allows mutations to accumulate that can lead to antigenic ______.
□ Antigenic Drift: genetic ______ resulting from mutations caused by lack of proofreading in replicase.
□ Can allow a virus to ______ immune responses by a host cell.
Some RNA viruses can have more than one piece of RNA from different viruses which causes antigenic ______.



PRACTICE: Which of the following is a major difference between antigenic drift and antigenic shift in viruses?

- a) Antigenic drift results from mutations in the viral genome. Antigenic shift results from combining viral genomes.
- b) Antigenic drift results in the deactivation of the virus while antigenic shift results in the reactivation of the virus.
- c) Antigenic drift results in a new subtype of virus being created while antigenic shift does not.

PRACTICE: What is the major cause of antigenic drift?

- The mixing of RNA viral genomes from two different viruses.
- b) The mixing of viral proteins to form an entirely new virus.
- Mutations in RNA viral genomes caused by the replicase enzyme.
- d) Mutations in DNA viral genomes caused by the replicase enzyme.