**HSPVA AP BIOLOGY CONCEPT CHECKLIST \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**UNIT 2: Evolution (NAME)**

**Campbell chapters:**

**# CONCEPT**

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| **7.1** | **Natural selection is a major mechanism of evolution.**  **Natural selection acts on phenotypic variations in populations.** |
| **7.2** | **Evolutionary change is also driven by random processes.** |
| **7.3** | **Biological evolution is supported by scientific evidence from many disciplines, including mathematics.** |
| **7.4** | **Phylogenetic trees and cladograms are graphical representations (models) of evolutionary history that can be tested.** |
| **7.5** | **Speciation and extinction have occurred throughout the Earth’s history.**  **Speciation may occur when two populations become reproductively isolated from each other.** |
| **7.6** | **Organisms share many conserved core processes and features that evolved and are widely distributed among organisms today.**  **Populations of organisms continue to evolve.** |
| **7.7** | **There are several hypotheses about the natural origin of life on Earth, each with supporting scientific evidence.**  **Scientific evidence from many different disciplines supports models of the origin of life.** |