Name: AP Biology

Evolution Unit Reading Guide (Life 9th Edition)

|  |  |  |  |
| --- | --- | --- | --- |
| **TOPIC** | | **PAGES** | **NOTES** |
| 21.1 | What facts form the basis of our understanding of evolution? | 440-448 (9 pages) |  |
| 21.2 | What are the mechanisms of evolutionary change? | 448-451 (3 pages) |  |
| 21.3 | How does natural selection result in evolution? | 451-455 (4) |  |
| 21.4 | How is genetic variation maintained within populations? | 456-458 (3) |  |
| 21.5 | What are the constraints on evolution? | 459-460 (2) |  |
| 22.1 | What is phylogeny? | 464-468 (4) |  |
| 22.2 | How are phylogenetic trees constructed? | 468-472 (5) |  |
| 22.3 | How do biologists use phylogenetic trees? | 473-476 (4) |  |
| 22.4 | How does phylogeny relate to classification? | 476-478 (2) |  |
| 23.1 | What are species? | 481-484 (3) |  |
| 23.2 | How do new species arise? | 484-489 (5) |  |
| 23.3 | What happens when newly formed species come together? | 489-493 (5) |  |
| 23.4 | Why do rates of speciation vary? | 493-495 (3) |  |

Evolution Unit Test target date = Friday 9/19/14