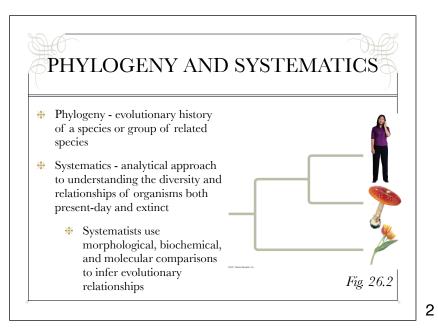
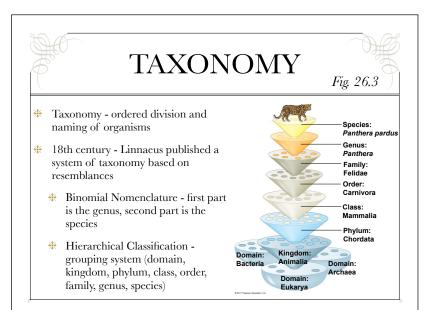
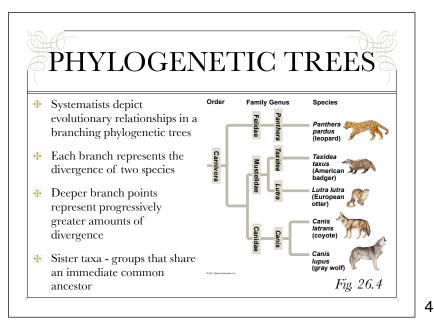


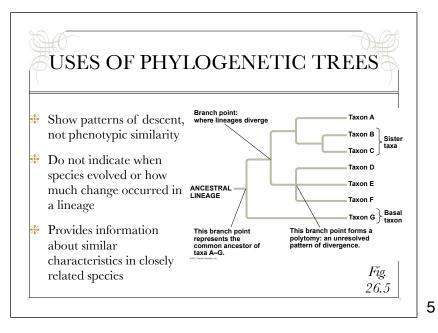
CHAPTER 26: PHYLOGENY AND THE TREE OF LIFE AP Biology 2013

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MORPHOLOGICAL AND MOLECULAR HOMOLOGIES

- In addition to fossil organisms, phylogenic history can be inferred from certain morphological and molecular similarities among living organisms
- In general, organisms that share very similar morphologies or similar DNA sequences are likely to be more closely related than organisms with vastly different structures or sequences
- Similarity due to convergent evolution is called analogy rather than shared ancestry

