

Due Tuesday, March 10th

### **Darwin Case Study: Background Topics**

1. John Ray; classification and theology: 1691 *The Wisdom of God in Creation*
2. Nicholas Steno and fossils: *Dissertationis prodromus* of 1669
3. Linnaeus and classification: *Systema Naturae* (1st ed. 1735)
4. William Paley and natural theology: *Natural Theology; or, Evidences of the Existence and Attributes of the Deity* (1802)
5. Comte de Buffon: *Histoire naturelle, générale et particulière* (1749–1788: in 35 volumes)
6. Erasmus Darwin: 1803 work *Temple of Nature*.
7. Jean-Baptiste Lamarck: 1809. *Philosophie zoologique, ou Exposition des considérations relatives à l'histoire naturelle des animaux..*
8. Thomas Malthus: *An Essay on the Principle of Population*, 1798 and 1826 published six editions
9. William Smith and biostratigraphy: around 1800
10. Georges Cuvier: *Discours sur les révolutions de la surface du globe* 1826
11. Geoffroy St-Hilaire and philosophical anatomy: *Histoire des Makis, ou singes de Madagascar*, written in 1795
12. James Hutton: *Theory of the Earth; or an Investigation of the Laws observable in the Composition, Dissolution, and Restoration of Land upon the Globe* 1788
13. Charles Lyell: *Principles of Geology* 1830-33
14. Robert Chambers and *Vestiges of the Natural History of Creation* 1844
15. Adam Sedgwick 1845
16. John Henslow and James [sic] John! Gould (ornithologist): *Principles of Descriptive and Physiological Botany* (1835) and *A Century of Birds from the Himalaya Mountains* (1830–1832)
17. Lord Kelvin and earlier ideas about the age of the earth: "Of Geological Dynamics" (1869)