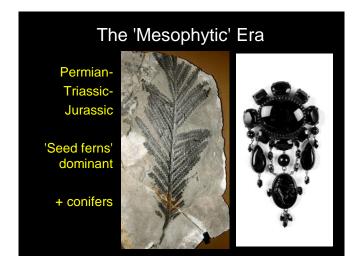
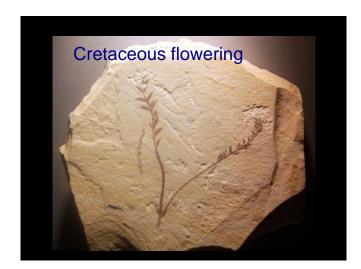




# Vascular plants Tissues: Xylem (wood) - transports water primarily Phloem (bark) - transports sugars primarily Internal structure of early Devonian vascular plant









## Correlating strata

- Biostratigraphy
  - "life layer writing"
- Principle of superposition
- Relative dating
  - -Use fossils to tell the time

# The bio-stratigrapher

William Smith (1769-1839)

Canal surveyor

The Law of Faunal Succession



# Using Fossils To Tell The Time

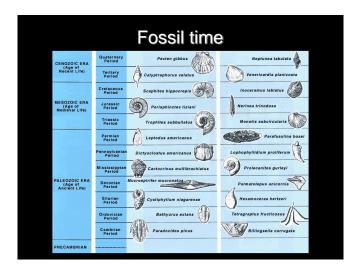
John Phillips (1800-74)

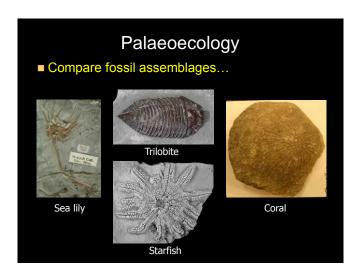
Palaeozoic – 'old life' Mesozoic – 'middle life' Cainozoic – 'new life'

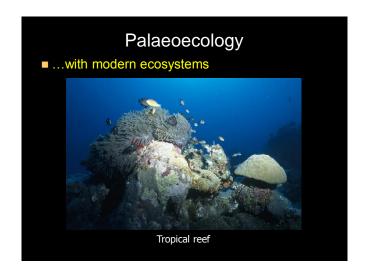


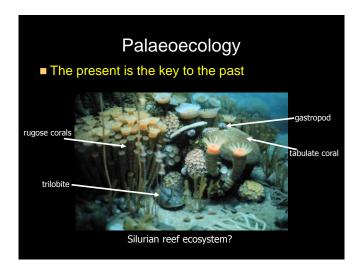
## Earth = Life = Time

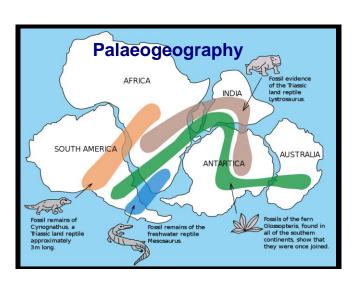
PALAEOZOIC: MESOZOIC:
Cambrian Triassic
Ordovician Jurassic
Silurian Cretaceous
Devonian CAINOZOIC
Carboniferous Palaeogene
Permian Neogene

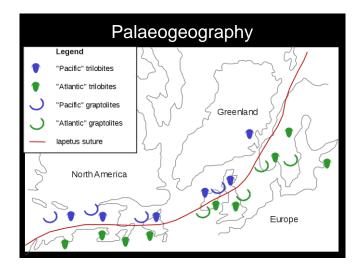


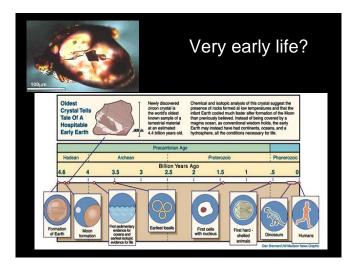


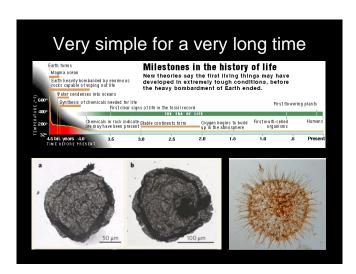


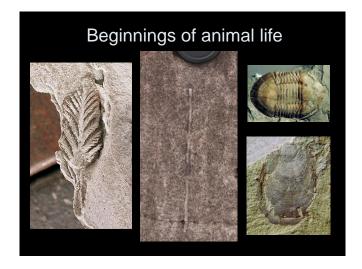


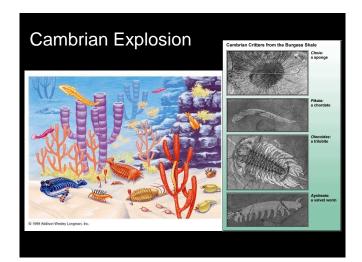


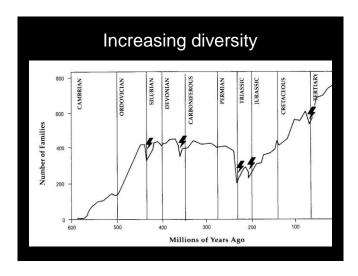












Useful links	
Notes and links from today's course: www.fossilhub.org	
Natural History Museum www.nhm.ac.uk	
Palaeontology Online: <a href="http://www.palaeontologyonline.com/">http://www.palaeontologyonline.com/</a>	