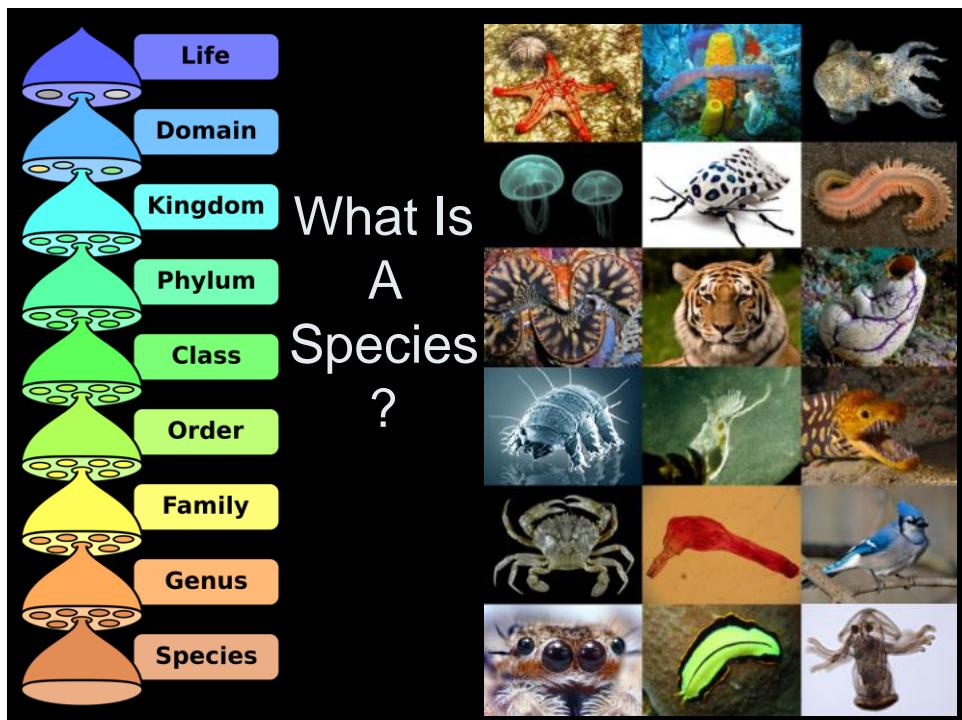
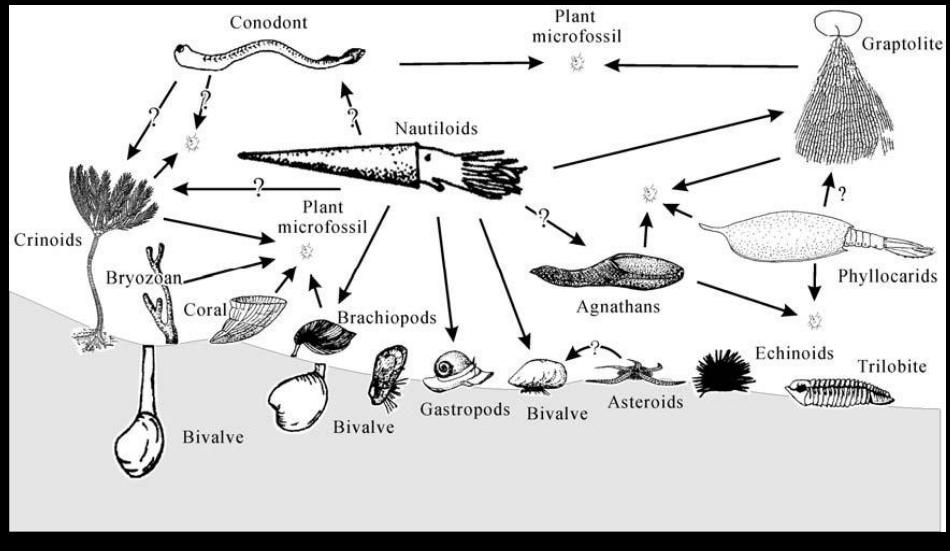
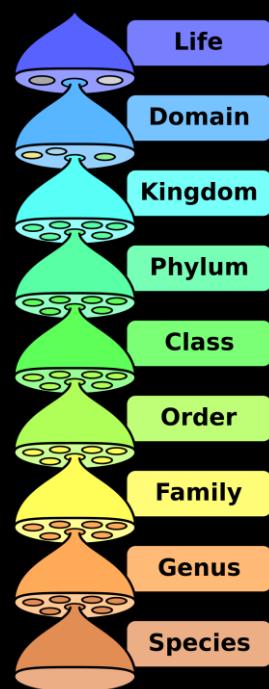


Week 4 – Biodiversification



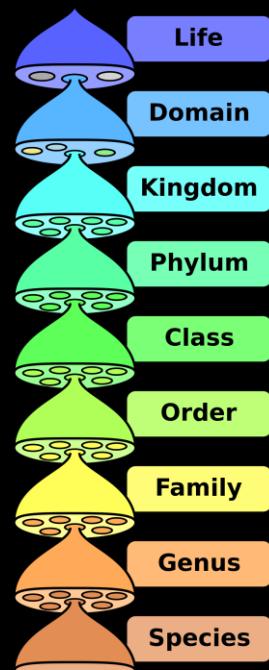


What Is
A
Species
?

Living
organisms:

Genetic
similarity;

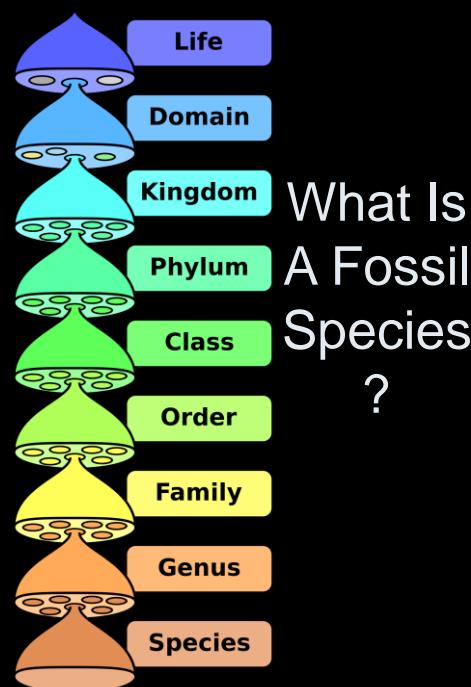
Reproductive
compatibility



What Is
A Fossil
Species
?

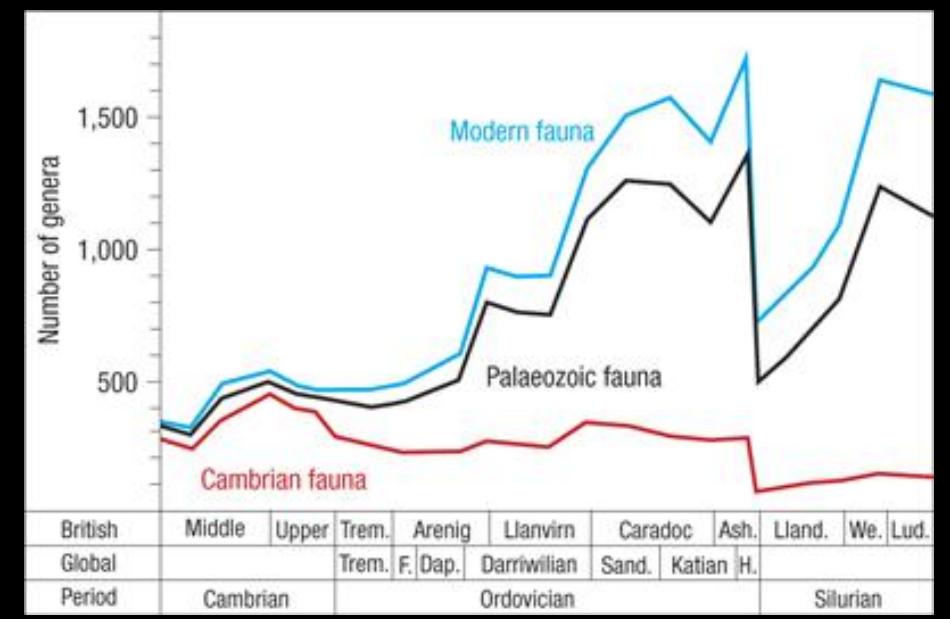


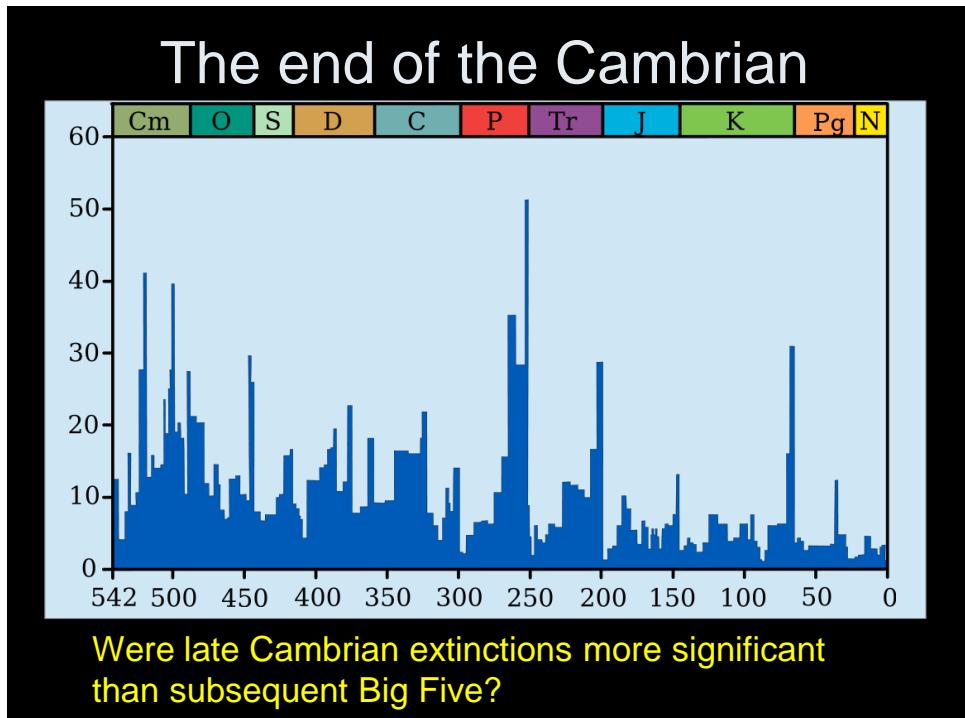
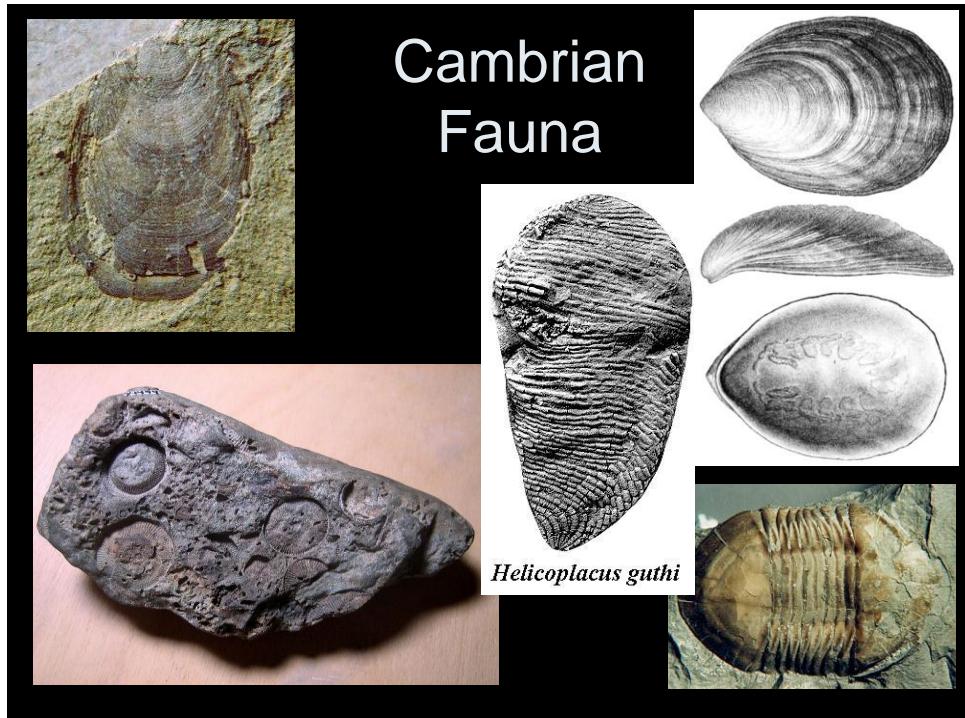
Homo floresiensis



Fossil organisms:
Morphological characters...

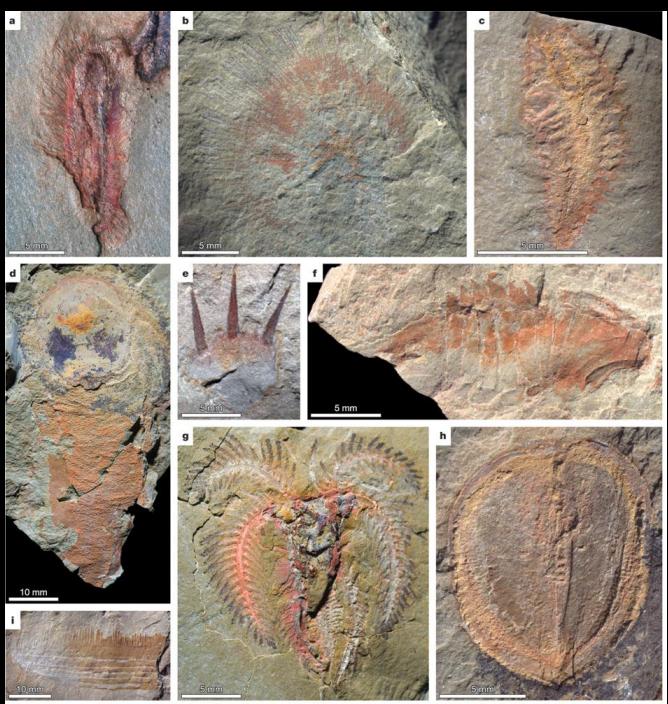
Ordovician: A Tale of 3 Faunas



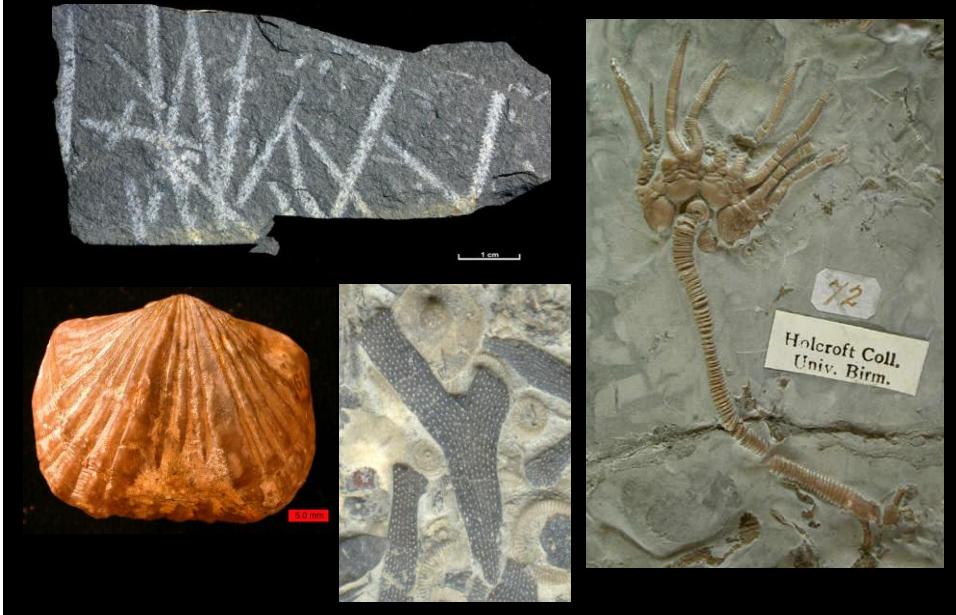


A second
glimpse?

Fezouata fauna,
Ordovician,
Morocco



Palaeozoic Fauna



New reef
builders



Tabulate corals

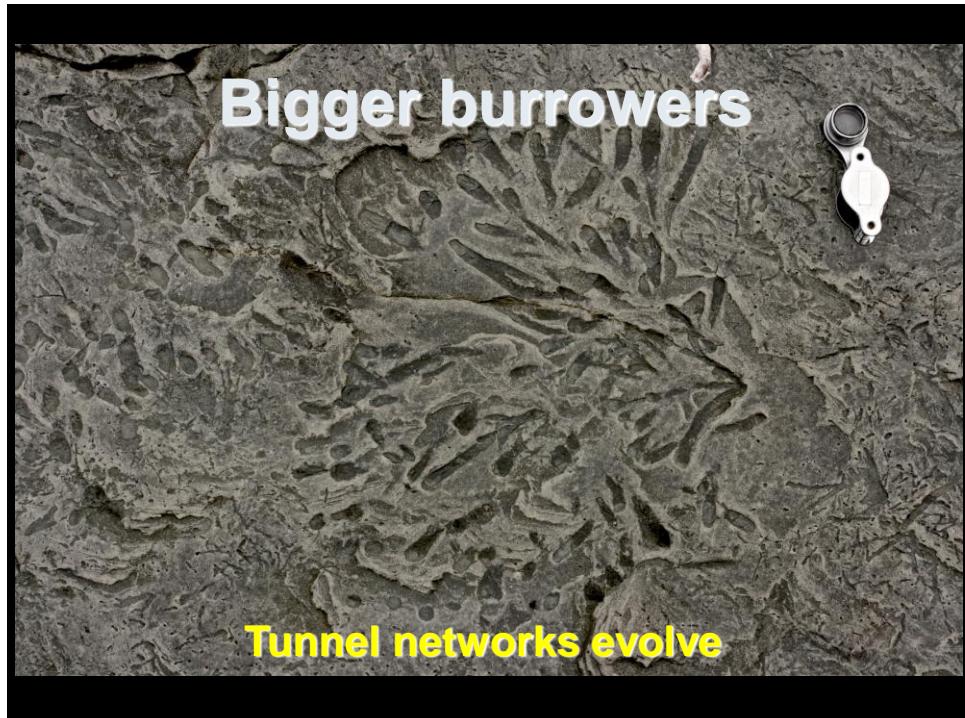
5.0 mm

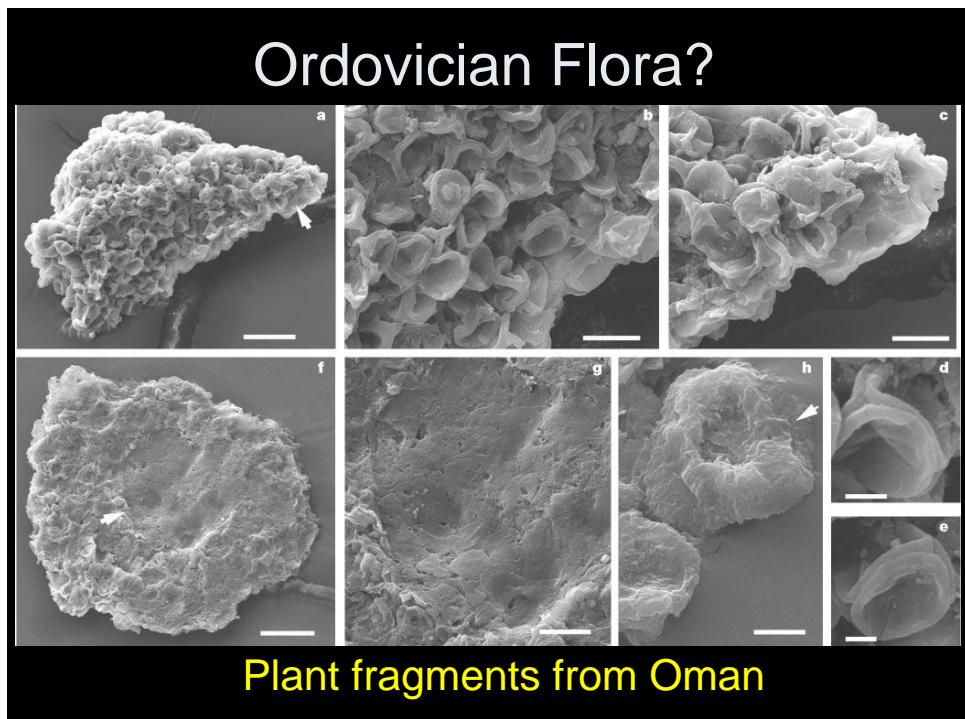
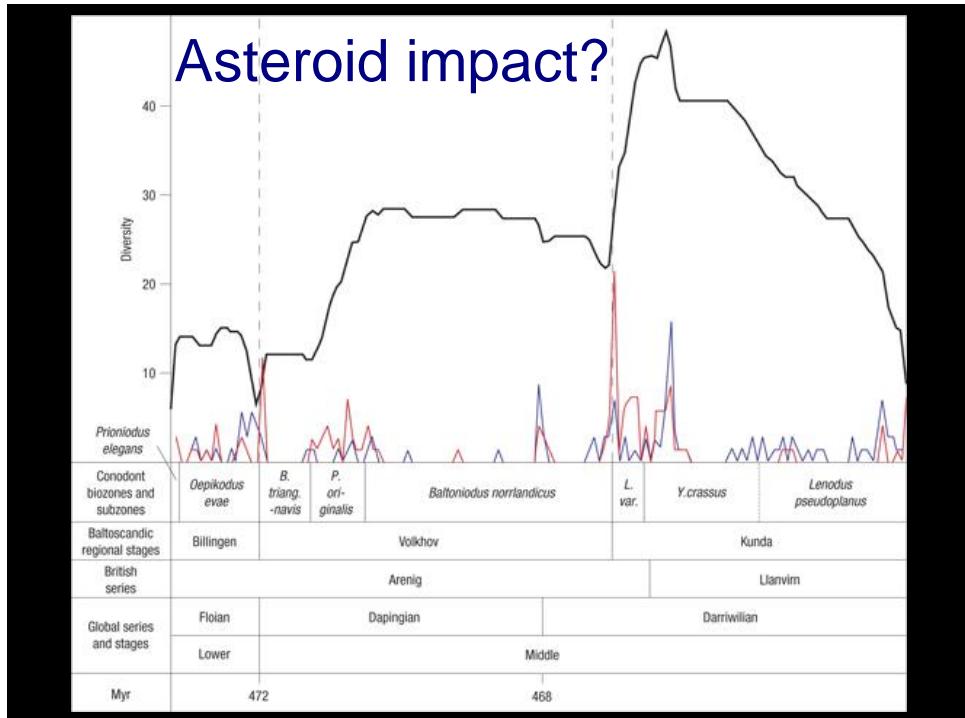
Asteroid impact



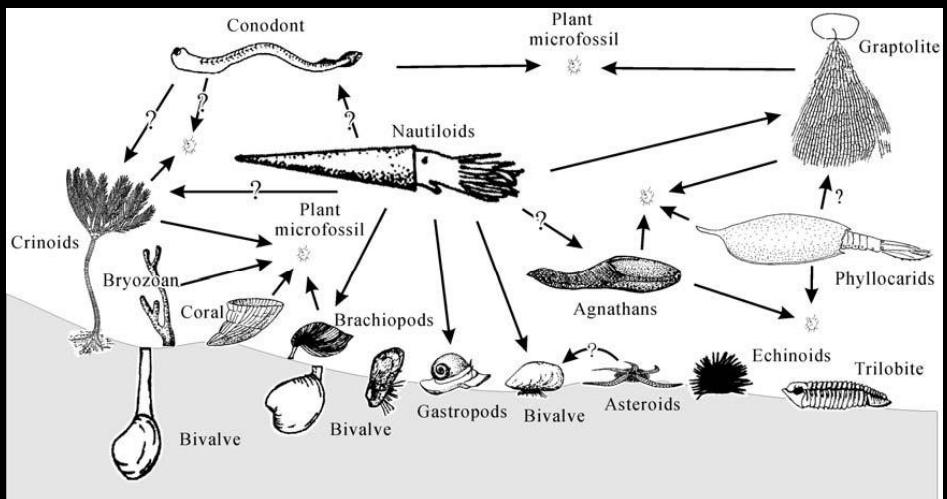
Starfish appear
in Ordovician



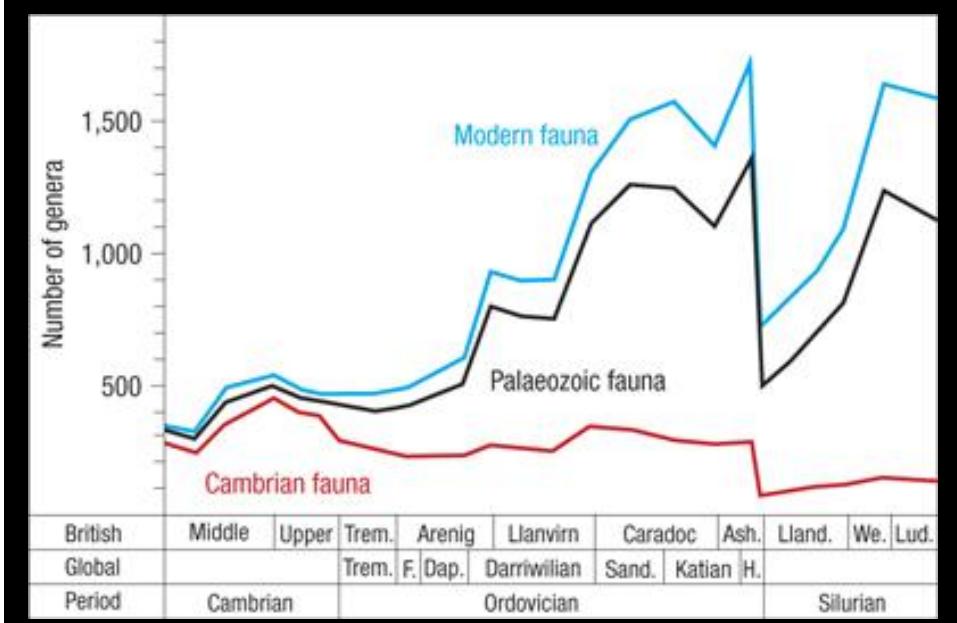


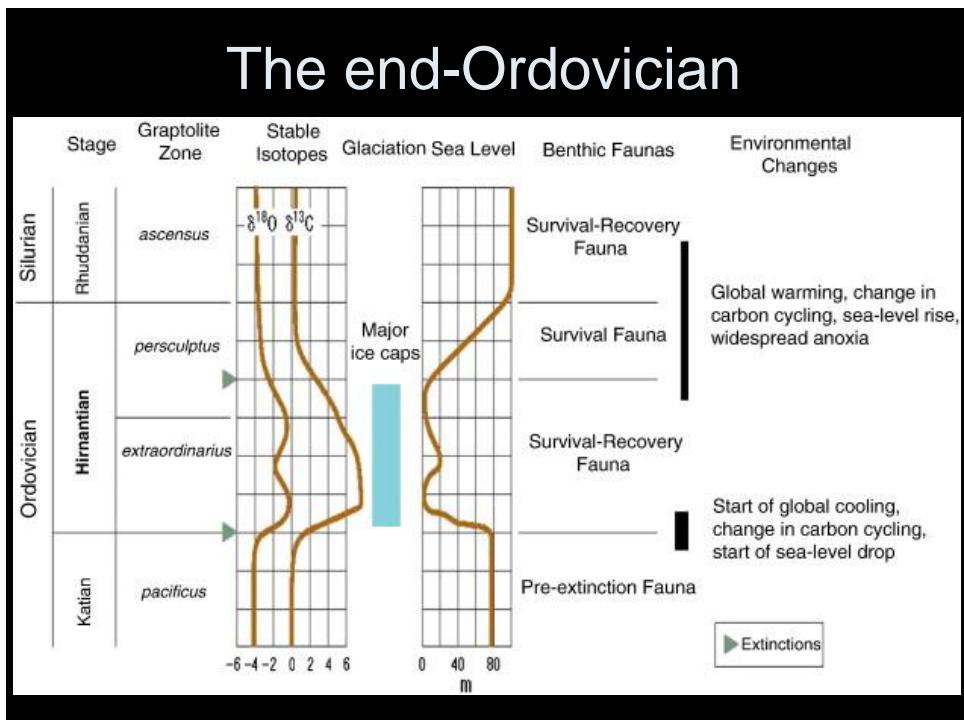
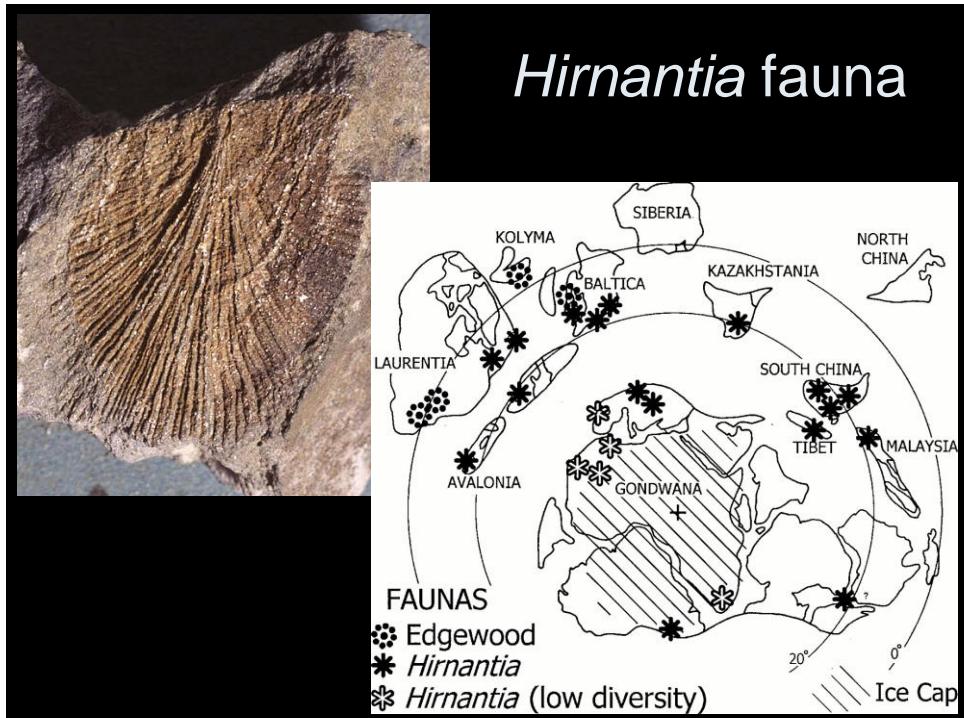


An Ordovician mix

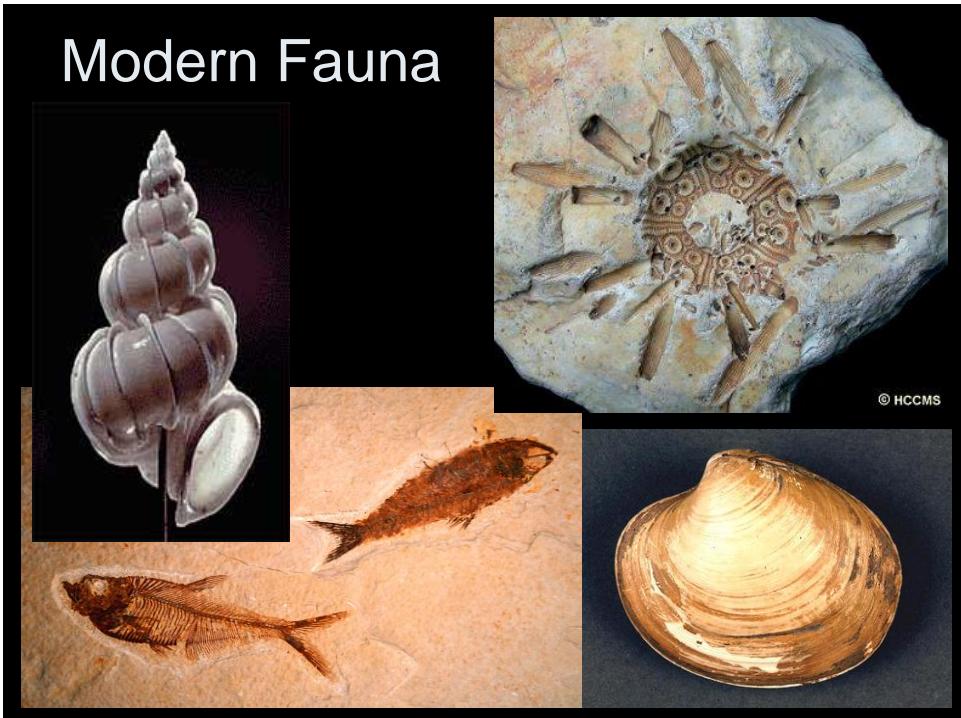


The end-Ordovician





Modern Fauna



Next week



Coming in to land: the mid-Palaeozoic

Useful websites

Asteroid break-up linked to GOBE:

<http://www.nature.com/ngeo/journal/v1/n1/full/ngeo.2007.37.html>

The Fezouata fauna:

<http://scienceblogs.com/laelaps/2010/05/13/cambrian-survivors-weird-cri/>

The species concept(s):

<http://ncse.com/evolution/science/species-concepts-modern-literature>

Hirnantian extinction (BBC Wales):

<http://www.bbc.co.uk/programmes/p00bpj5t>

Useful website

Palaeocast

www.palaeocast.com

