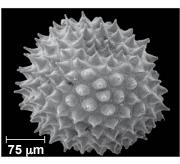


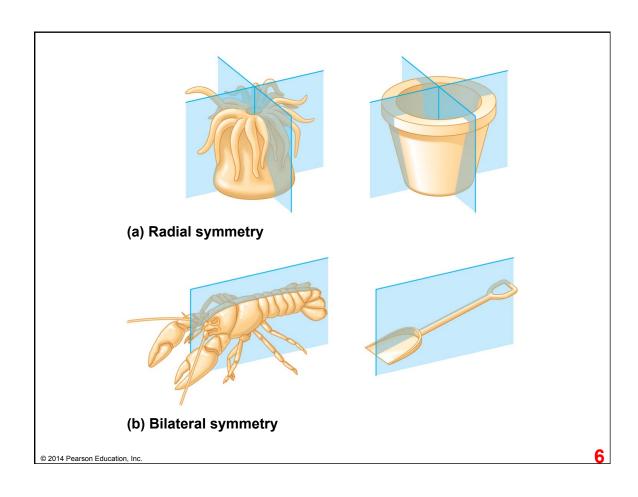
(a) Valeria (800 mya): roughly spherical, no structural defenses, soft-bodied

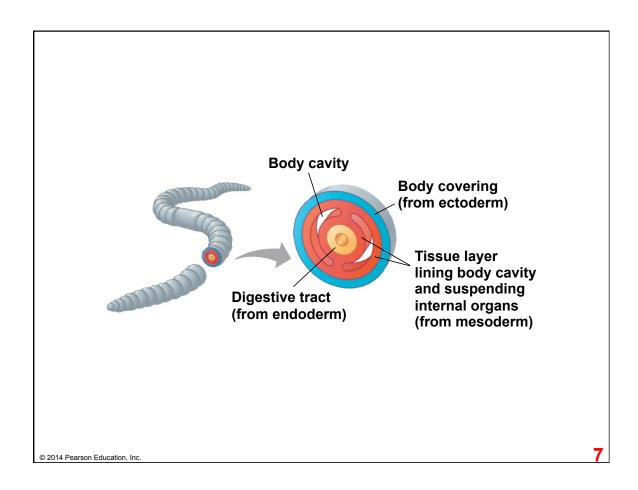


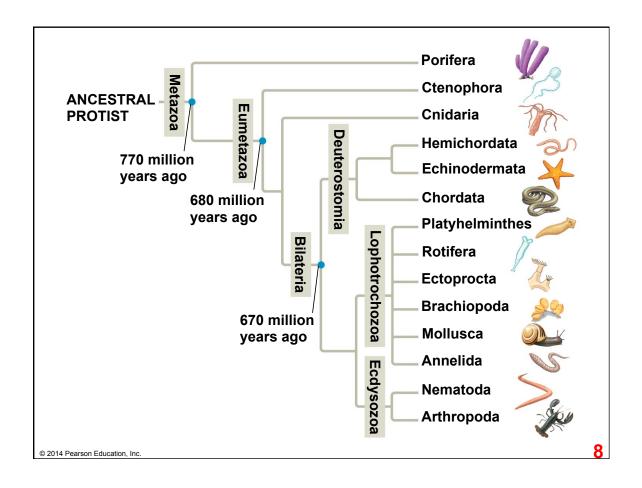
(b) Spiny acritarch (575 mya): about five times larger than *Valeria* and covered in hard spines

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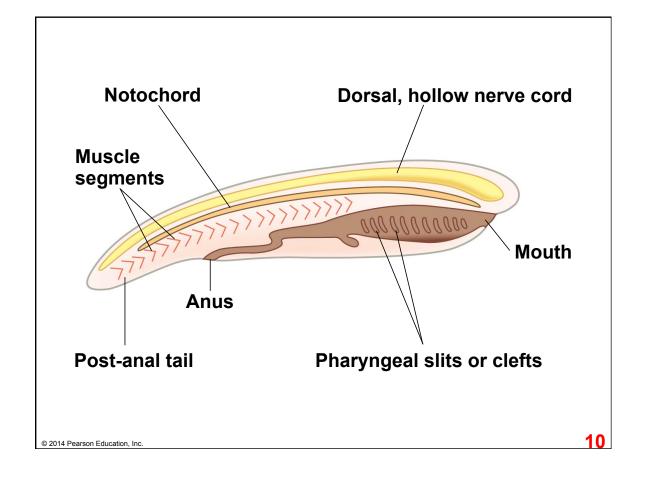
5











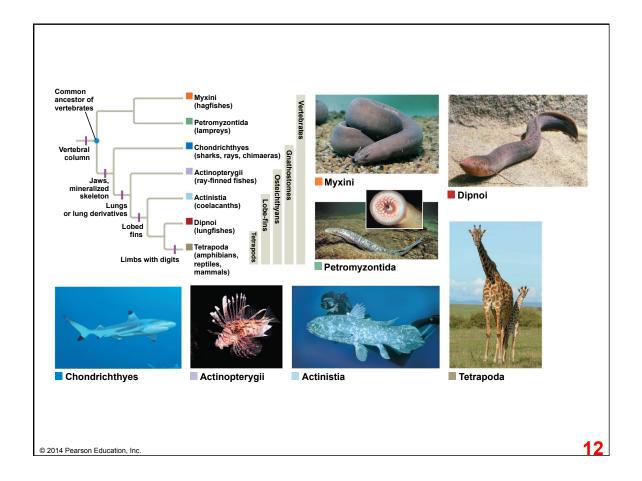


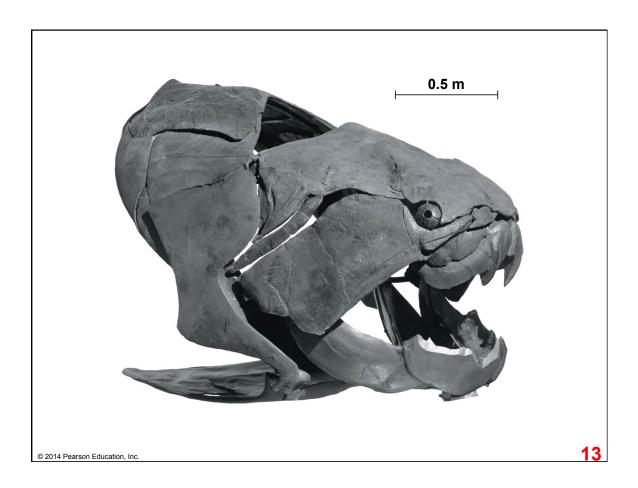


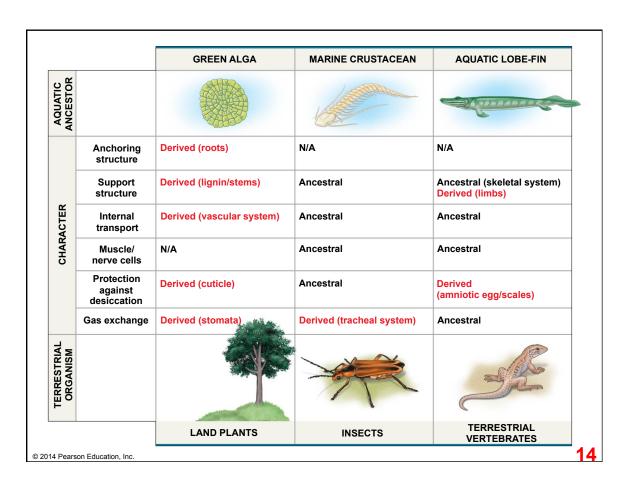
(a) Lancelet

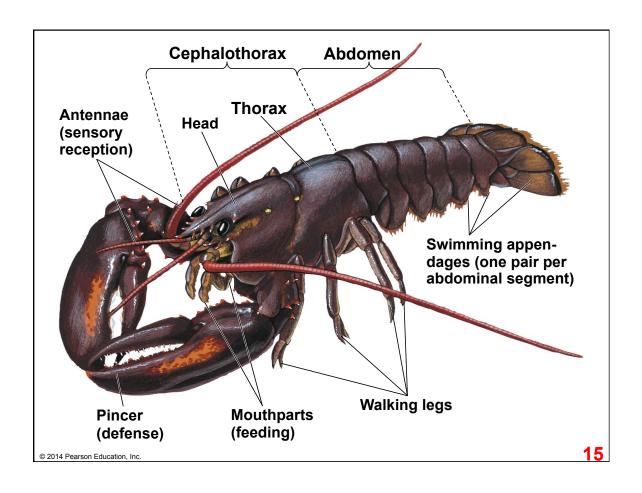
(b) Tunicate

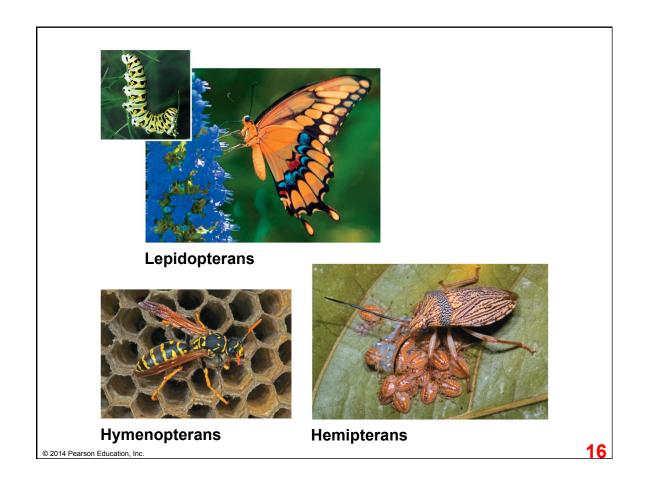
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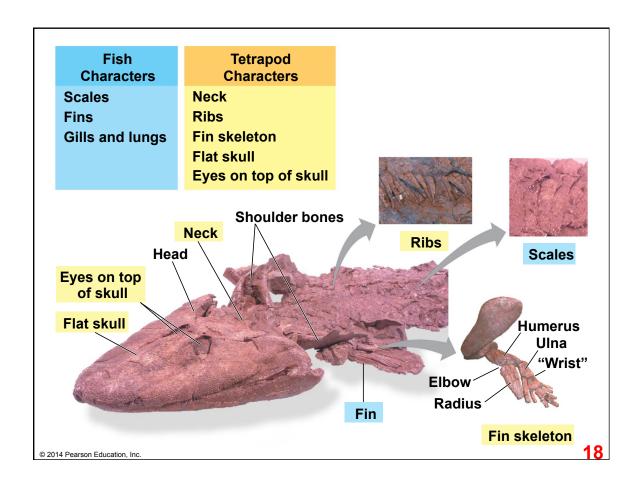


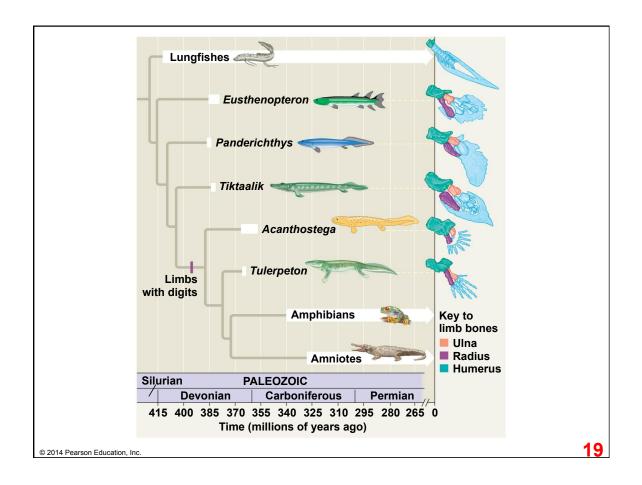




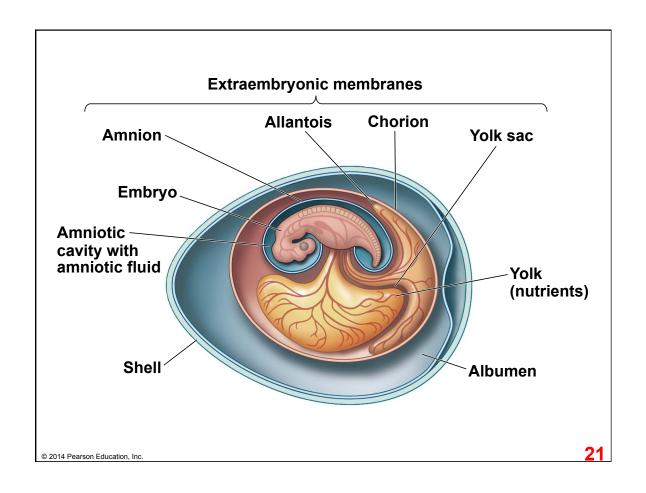


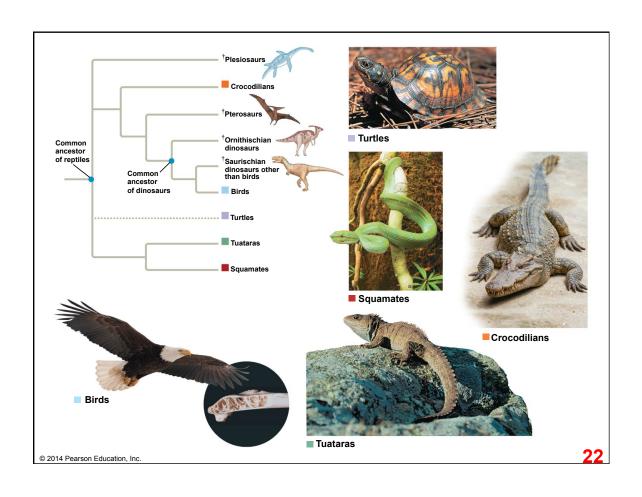


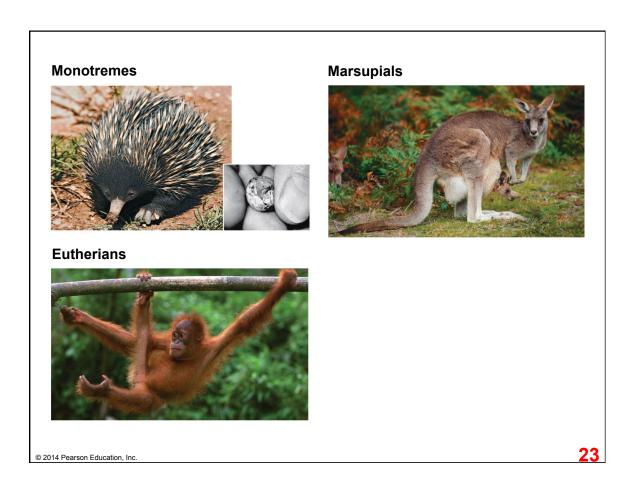


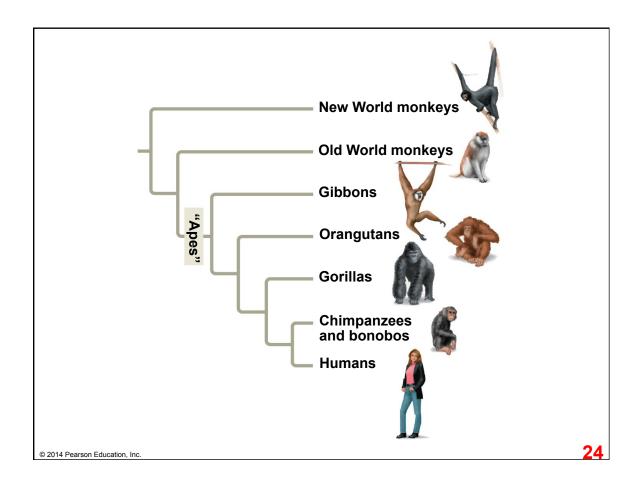


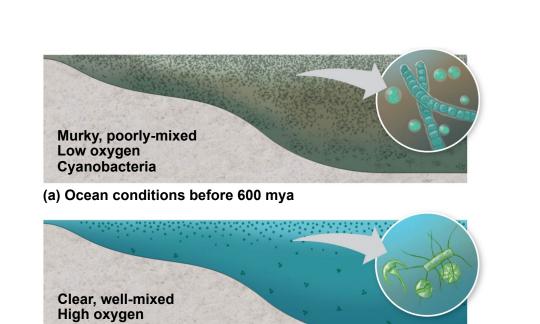












(b) Changes to ocean conditions by 530 mya

Eukaryotic algae

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