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Origin of Earth

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First Proto-cells

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First Rocks

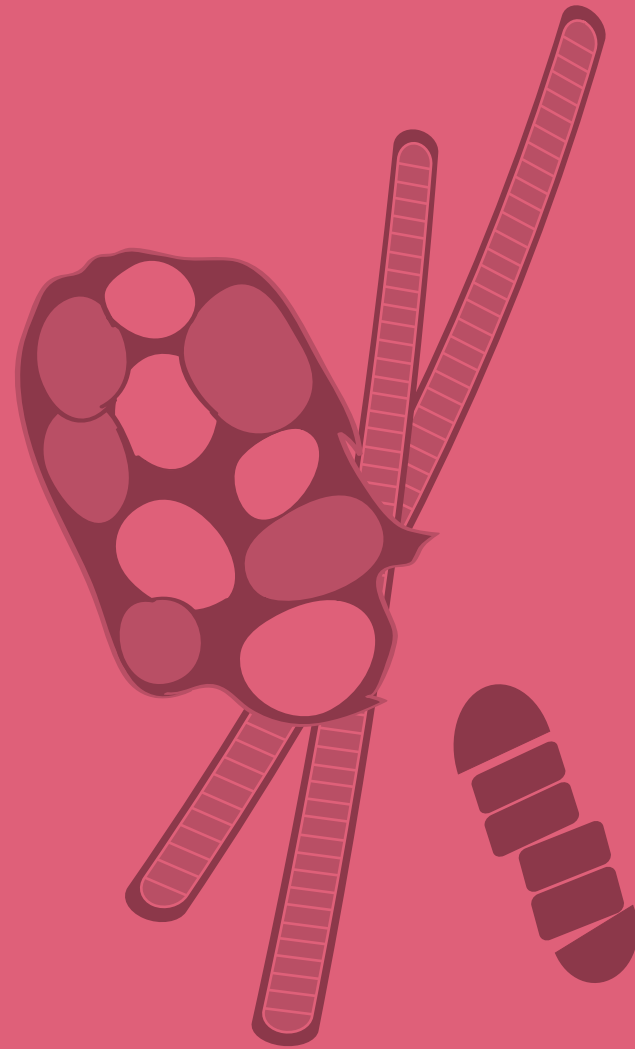


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Bacteria

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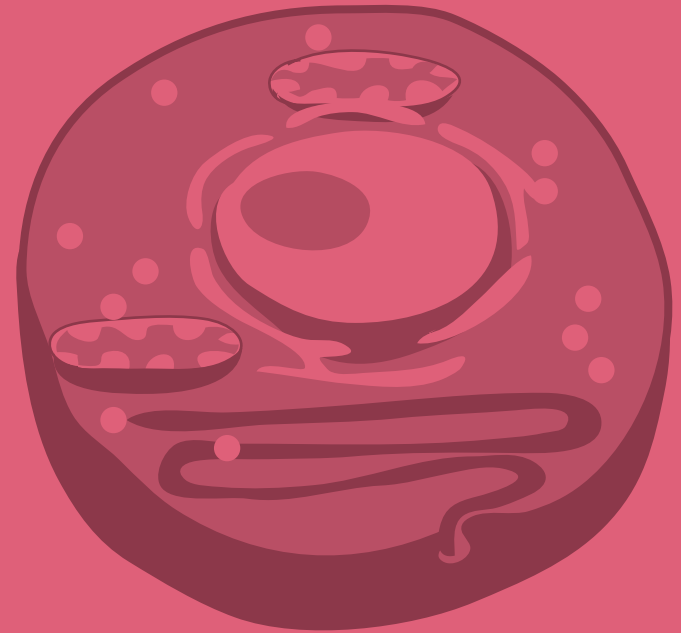
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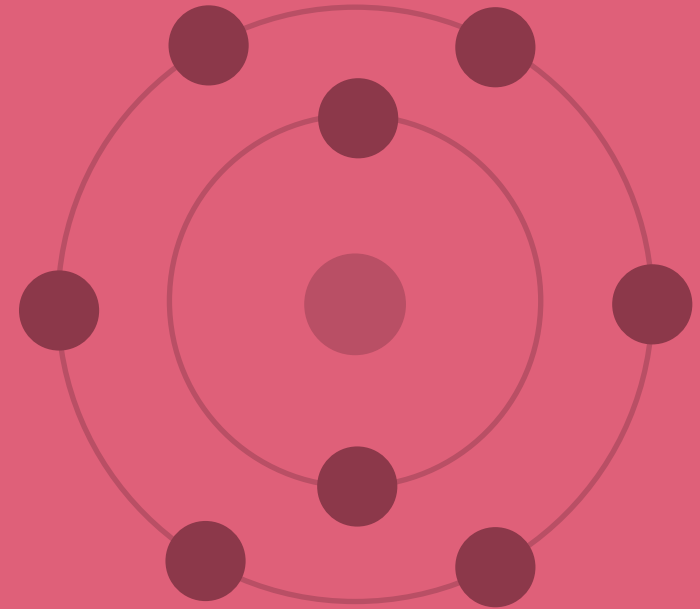
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Eukaryotic Cells



51



52

Atmospheric Oxygen
reaches critical levels

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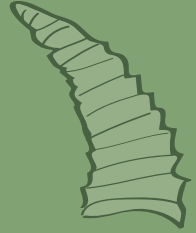


CAMBRIAN



Animals with shells and external skeletons

ORDOVICIAN



83

Land plants, arthropods, first fishes

SILURIAN

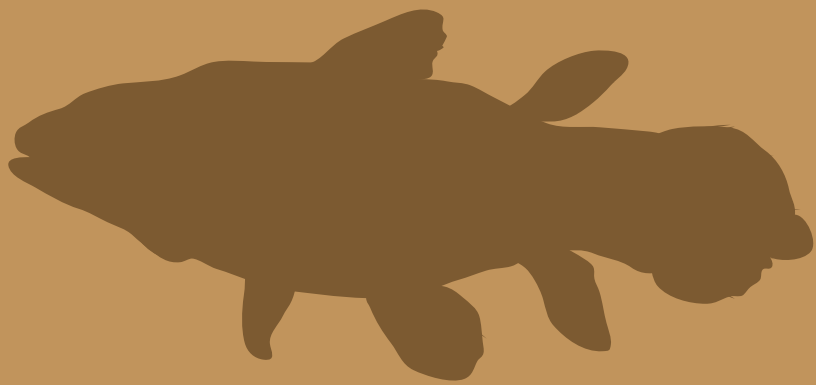


84

Vascular plants, insects

DEVONIAN

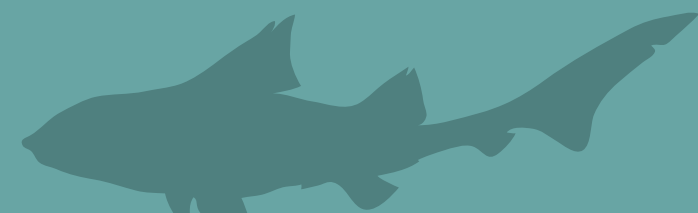
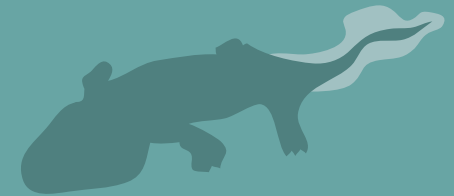
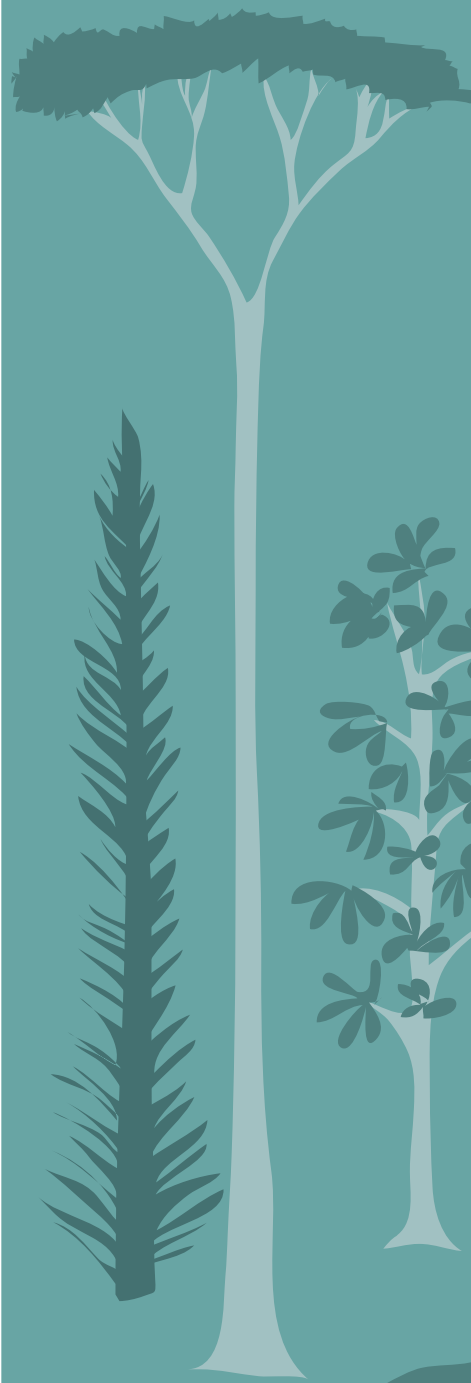




85

Bony fishes, amphibians

CARBONIFEROUS



86

Forests of seed ferns,
reptiles, more amphians

PERMIAN



87

Dinosaurs, amphibians dominate, mass extinction

TRIASSIC



88

Dinosaurs dominate, early mammals

JURASSIC



89

More mammals, birds,
gymnosperm plants

CRETACEOUS



90

Flowering plants, hardwood
trees, dinosaur mass extinction



91

PALEOGENE

Primates, whales
return to sea



92

NEOGENE



Hominids,
mammals

QUATERNARY





Homo Erectus, Neanderthals, Homo Sapiens, etching and cave paintings, Great Ice Age, domestication of crops and animals, first cities, advances in transportation, medicine, technology