



## Evolution of life and relief

WORKING DOCUMENT

Locate the main stages of evolution of life and landscapes while referring to the suggested resources.

GEOLOGICAL TIMES				EVOLUTION OF LIFE	EVOLUTION OF LANDSCAPES
Era	Period	Epoch	Age in millions of years		
CENOZOIC	Quaternary	Holocene	(10,000 years)		Current landscape
		Pleistocene			
	Neogene	Pliocene	1.6		
		Miocene	5		
	Paleogene	Oligocene	25		
		Eocene	37		
		Paleocene	55		
			65		
MESOZOIC	Cretaceous			Great extinction of marine beings	Opening of the Atlantic Ocean
	Jurassic		135		
	Trias		205		
			225		
PALEOZOIC	Permian			Great accumulations of terrestrial plants (future carbon layers) REIGN OF AMPHIBIANS	Marine invasion or transgression over Quebec and Eastern continent
	Carboniferous		280		
	(Pennsylvanian) (Mississippian)			REIGN OF MARINE INVERTEBRATES (trilobites, brachiopods, mollusks, corals)	
	Devonian		345		
	Silurian		400		
	Ordovician		430		
	Cambrian		500		
			545	First sedimentary rocks Birth of the planet Earth	
PRECAMBRIAN	Proterozoic		1000		First fossils (cells)
	Archeozoic		2500		
	(Archean)				
			3900		
			4600		