

AUSTRALI thro

Eon	Era	Period	Epoch	Ma	LIFE
PHANEROZOIC	CENOZOIC	NEOGENE	PLEISTOCENE	23	<p>EXTINCTION most of giant Australian megafauna</p> <p><i>Common</i> - Molluscs (bivalves and gastropods), crustaceans <i>Diversification</i> - Mammals and birds <i>First appearance</i> - Whales, seals, bats, rodents, horses, primates and modern humans</p>
			PLIOCENE		
			MIOCENE		
		PALAEOGENE	OLIGOCENE		
			EOCENE		
	PALEOCENE		65		
	CRETACEOUS		LATE	145	<p>MAJOR EXTINCTION ammonites, dinosaurs, plesiosaurs, ichthyosaurs and pterosaurs</p> <p><i>Common</i> - Molluscs (bivalves, ammonites, gastropods), brachiopods and crustaceans <i>Diversification</i> - Birds, flowering plants (angiosperms) and associated insects <i>First appearance</i> - Snakes and monotremes</p>
		EARLY			
	JURASSIC	LATE	200	<p><i>Common</i> - Molluscs, brachiopods, crustaceans, ammonites <i>Diversification</i> - Dinosaurs, ichthyosaurs and marine reptiles <i>First appearance</i> - Birds</p>	
		MIDDLE			
		EARLY			
	TRIASSIC	LATE	251	<p>MAJOR EXTINCTION</p> <p><i>Common</i> - Molluscs, brachiopods, crustaceans <i>Diversification</i> - Ammonites <i>Spread</i> - <i>Dicroidium</i> flora in Gondwana <i>First appearance</i> - Dinosaurs, pterosaurs, mammals, large marine reptiles and modern (scleractinian) corals</p>	
		MIDDLE			
		EARLY			
	PERMIAN	LOPINGIAN	299	<p>MAJOR EXTINCTION of >80% known life-forms rugose and tabulate corals and trilobites</p> <p><i>Common</i> - Molluscs, brachiopods and echinoderms <i>Rare</i> - Trilobites <i>Spread</i> - <i>Glossopteris</i> flora in Gondwana <i>First appearance</i> - Ammonites, cycads, mammal-like reptiles and beetles</p>	
		GUADALUPIAN			
		CISURALIAN			
	CARBONIFEROUS	PENNSYLVANIAN	LATE	359	<p><i>Common</i> - Brachiopods, molluscs, echinoderms and corals <i>Rare</i> - Trilobites <i>Widespread</i> - Forests <i>First appearance</i> - Conifers and dramatic diversification of winged insects</p>
			MIDDLE		
			EARLY		
		MISSISSIPPIAN	LATE		
			MIDDLE		
	PALAEOZOIC	DEVONIAN	LATE	416	<p>MAJOR EXTINCTION</p> <p><i>Common</i> - Brachiopods, molluscs and echinoderms <i>Widespread</i> - Coral reefs <i>First appearance</i> - Land vertebrates (amphibians), tree-sized land plants and insects</p>
			MIDDLE		
			EARLY		
		SILURIAN	PRIDOLI	444	<p><i>Common</i> - Trilobites, brachiopods, molluscs, echinoderms, graptolites and corals <i>First appearance</i> - Land animals (centipedes and arachnids) and vascular land plants</p>
			LUDLOW		
			WENLOCK		
	LLANDOVERY				
ORDOVICIAN	LATE	488	<p>MAJOR EXTINCTION</p> <p><i>Common</i> - Trilobites, brachiopods, molluscs and graptolites <i>First appearance</i> - Coral (rugose and tabulate), bryozoans and land plants (bryophytes)</p>		
	MIDDLE				
	EARLY				
		FURONGIAN	488	<p>EXTINCTION</p> <p><i>Common</i> - Molluscs and sponge (archaeocyath) reefs</p>	