

ERA	PERIOD/ SYSTEM	MILLIONS YEARS AGO	PREDOMINANT ROCK TYPES IN INDIANA	PRINCIPAL FOSSIL TYPES IN INDIANA	
CENOZOIC	QUATERNARY		Unconsolidated deposits - glacial till, sand, gravel, silt, marl, clay, and peat deposited during and after continental glaciation	Mastodon, mammoth, peccary, dire wolf, saber-toothed cat, gastropods, pelecypods, plants, and pollen	
	TERTIARY	2.6	Unconsolidated sediment consisting of clay, mud, gravel, sand, and silt	Short-faced bear, peccary, camels, snakes, rodents, fishes, birds, and turtles	
MESOZOIC	CRETACEOUS	65.5	None present	None present	
	JURASSIC	145.5	None present	None present	
	TRIASSIC	199.6	None present	None present	
PALEOZOIC	PERMIAN	251	None present	None present	
	CARBONIFEROUS	PENNSYLVANIAN	299	Shale, sandstone, mudstone, clay, coal, limestone, and conglomerate	Lycopods, <i>Calamites</i> , seed ferns, true ferns, <i>Cordaites</i> , and amphibians
		MISSISSIPPIAN	318.1	Shale, sandstone, siltstone, limestone, and gypsum	Crinoids, brachiopods, cephalopods, corals, molluscs, trilobites, bryozoans, fishes, arthropods, and foraminifera
	DEVONIAN	359.2	Upper part: carbonaceous shale Lower part: limestone, dolostone, and shale	Corals, brachiopods, cephalopods, trilobites, pelecypods, and bryozoans	
	SILURIAN	416	Dolostone, limestone, siltstone, and shale	Corals, stromatoporoids, bryozoans, brachiopods, trilobites, gastropods, pelecypods, crinoids, and eurypterids	
	ORDOVICIAN	443.7	Upper part: shale and limestone Lower part: limestone, dolostone, and sandstone*	Cephalopods, trilobites, brachiopods, bryozoans, crinoids, pelecypods, and gastropods	
	CAMBRIAN	488.3	Sandstone and dolostone*	Trilobites, brachiopods, and sponges	
	PRECAMBRIAN	542	Granite, marble, gneiss, and other igneous and metamorphic rock types*	Microbes	
			4,600		

* Present only in the subsurface