

GEOLOGICAL TIME SCALE

- **Division of Book** – Volumes, chapters, sections, paragraphs
- **Division of Strata** – Groups, systems, series, stages
- **Division of geological Time Scale** – Eras, periods, epoch, ages

As the geological formations were studied in Western Europe, the names of formations in European region are now used as a scale more or less for the whole world and is, therefore, termed as Standard Stratigraphical Scale. It shows between two successive groups of rocks. There is a major or a regional Unconformity, indicating a big gap or an interval in the process of deposition.

The Standard Stratigraphic Scale

Era Periods or Groups(or System)

Thickness

Age

Life

Era Periods or Groups(or System)		Thickness	Age	Life	
Canozoic gp Or Recent Life	Quarternary				
Tertiary	Recent	Minimum		Age of modern man	
	Pleistocene	4000 ft.		25000years Stone age man	
	Pliocene	13000 ft.	15 my	Age of	
	Miocene	21000 ft.	35 my	Mammals	
	Oligocene	15000 ft.	50 my	and plants	
Eocene		14000 ft.	70 my		
	Unconfirmity				
	Mesozoic gp (Middle Life)	Cretaceous	64000 ft.	120 my	Age of
		Jurassic	20000 ft.	150 my	Reptiles
Triassic		25000 ft.	190 my		
Unconfirmity					
Palaeozoic gp (Ancient Life)	Permian	13000 ft.	220 my	Amphibians	
	Carboniferous	40000 ft.	280 my	and Plant	
	Devonian	37000 ft.	320 my	fossils	
	Silurian	15000 ft.	350 my	Age of Fishes	
	Ordovician	40000 ft.	400 my	Invertiberate	
	Cambrian	40000 ft.	500 my	fossils	
Unconfirmity					
Pre-Cambrian Group	Proterozoic	Thickness	at least	Scanty remains of	
	Archaozoic	unknown	1750 my	sponges and	
Eozoic				seaweeds. No	
				direct fossils or	
				evidence of life,	
				but life had started	
				by this time	
Surface of the Earth					
				at least 2000 my No life	