

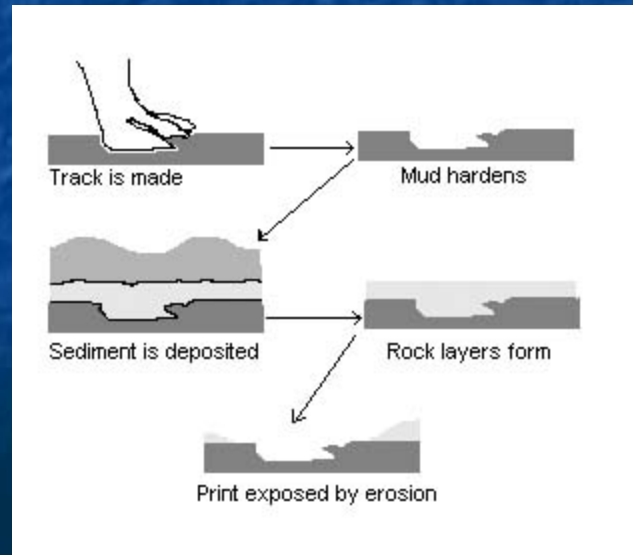
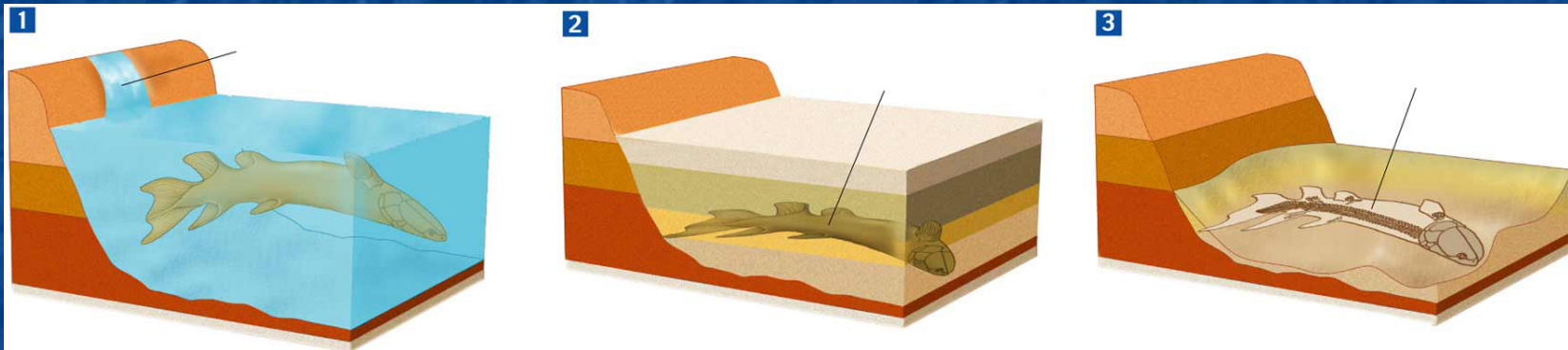
# Chapter 17-1: The Fossil Record

## Essential Questions:

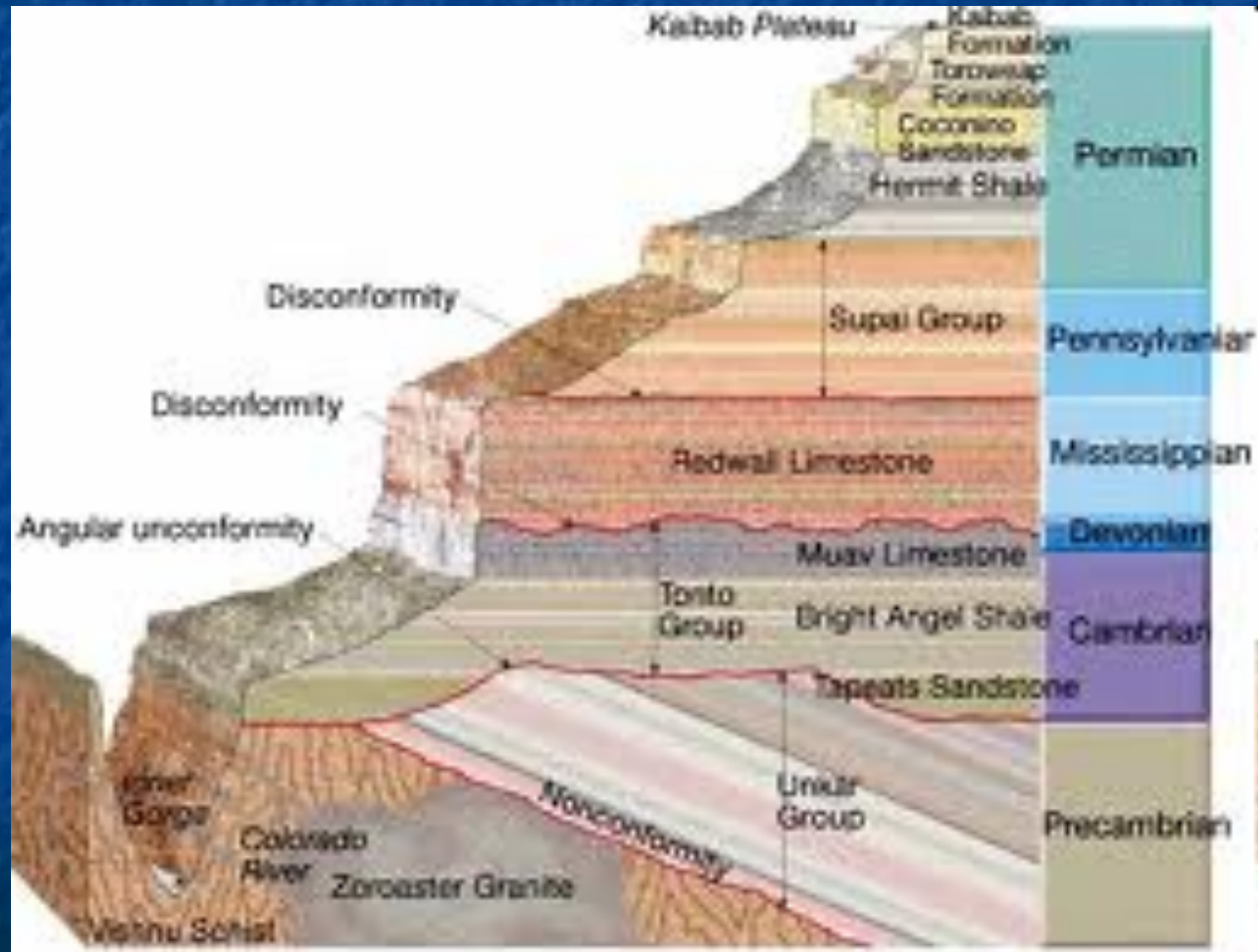
- What is the ***fossil record***?
- What is the difference between ***relative dating*** & ***radioactive dating***?
- What are the main divisions of ***geologic time scale***?

- Fossils & ancient life
  - Paleontologist
  - Fossil record
  - 99% of species that have lived on Earth now extinct

# ■ How fossils form



- Interpreting fossil evidence
  - Relative dating

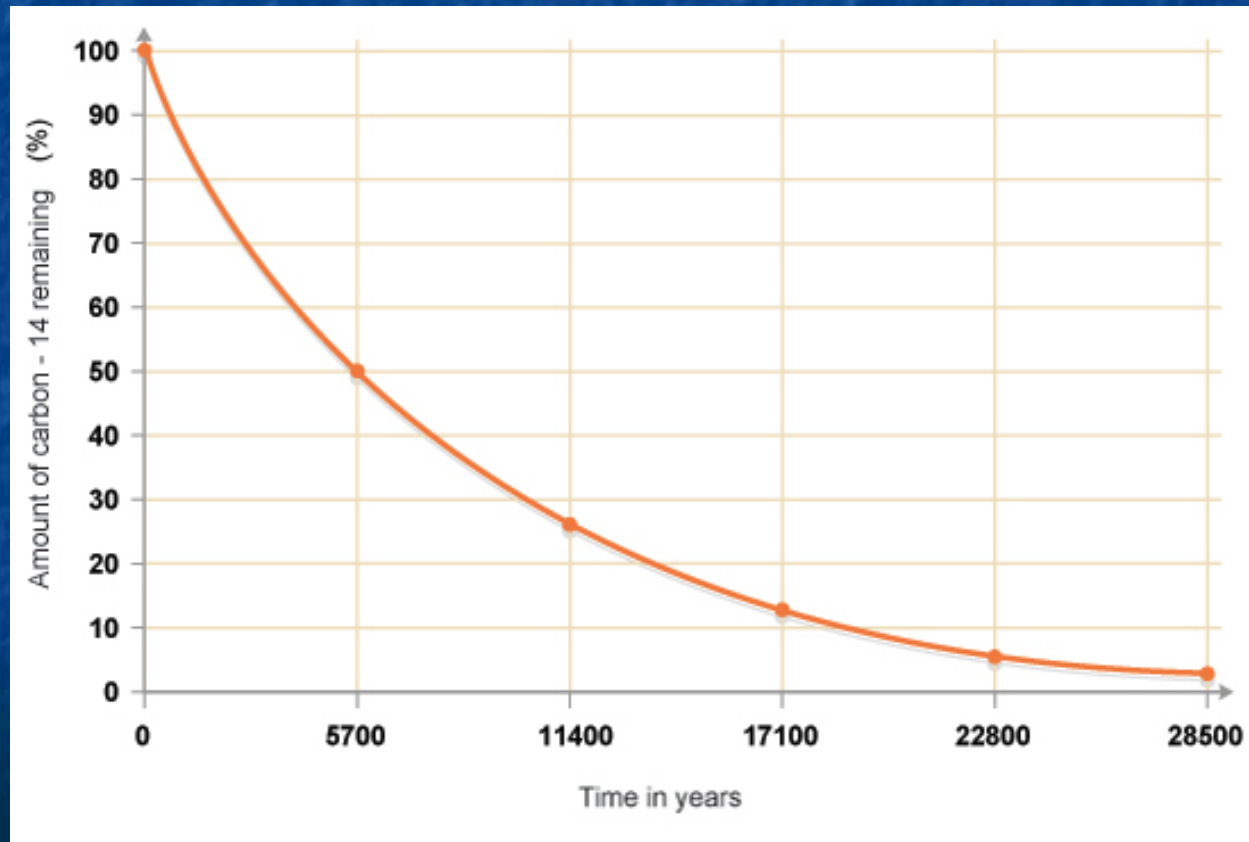


# ■ Radioactive dating

## ■ Isotopes

- radioactivity

## ■ Half-life



# ■ Geologic time scale

Era	Period	Epoch	Ma
Cenozoic	Quaternary (Q)	Holocene	
		Pleistocene (Qp)	
	Tertiary (T)	Pliocene (Tpl)	
		Miocene (Tm)	
		Oligocene (To)	
		Eocene (Te)	
Paleocene (Tp)	65		
Mesozoic	Cretaceous (K)		
	Jurassic (J)		
	Triassic (Tr)		251
Paleozoic	Permian (P)		
	Pennsylvanian (P)		
	Mississippian (M)		
	Devonian (D)		
	Silurian (S)		
	Ordovician (O)		
	Cambrian (C)		543
Precambrian	Proterozoic		
	Archean		2500
			4600