

Try to write down the time (years ago) and major form of life or event for each card in the walk.

Scale:

Periods

Cenozoic Era	19	Quaternary	
	18	Tertiary	
	17a		
Mesozoic Era	17	Cretaceous	
	16	Jurassic	
	15	Triassic	
	14a		
Paleozoic Era	14	Permian	
	13	Pennsylvanian	
	12	Mississippian	
	11	Devonian	
	10	Silurian	
	9	Ordovician	
	8	Cambrian	
	7a		
Precambrian Era	7		
	6		
	5		
	4		
	3		
	2		
	1		

1) What is the Law of Faunal Succession?

2) What impressions and conclusions can you draw from today's activity?

Objective: To demonstrate the length of geologic time and to aid in understanding the order of geologic and biologic events.

Materials: Stakes, event cards, meter stick, 10 dekameter length of string with knots at 1 meter intervals, long distance for walking out scale.

Procedure:

1. The standard unit of distance will be 1 meter represents 10 million years.
2. From the start of geologic time stakes will be placed at points to represent significant events in Earth's history.

Questions:

1. How many years does 1 decimeter represent? \_\_\_\_\_
2. How many years does 10 dekameters represent? \_\_\_\_\_
3. How many years does 1 millimeter represent? \_\_\_\_\_
4. Which is the longest geological era ? \_\_\_\_\_
5. Which is the shortest geological era ? \_\_\_\_\_
6. Which era do we live in? \_\_\_\_\_
7. Describe the length of time that humans have been on Earth compared to the length of geologic time?

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8. Describe the length of time that there has been civilization on Earth compared to the length of time that the dinosaurs were on Earth?

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9. Why do we know the most about only the last 600 million years?

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