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CLASS ASSIGNMENT: We are constructing a geologic timeline on paper. Your task is to calculate the correct length of the timeline for each geologic period. **2.5 centimeters represents 50 million years (5 cm = 100MY).** Use the geologic time chart below to calculate the length of timeline needed for each time period. (HINT: The total length of the timeline will be 4600 million years, or 230 cm total.)

Step 1: Complete column 3. Determine the length of each time period in years.

Step 2: Use this number to make your centimeter calculations.

Step 3: Use your textbook and the Internet to locate significant events that occurred during each period of time.

Calculations and Notes for the Geologic Timeline

1. Geologic Time Period	2. MYA (Millions of Years Ago)	3. Total Number of Years for This Time Period	4. Centimeters Needed for this Time Period	5. Significant Event During This Time Period
PHANEROZOIC EON	543 MYA to today			
Cenozoic Era	(65 MYA to today)			
Quaternary	1.8 MYA			
Tertiary	65 to 1.8 MYA			
Mesozoic Era	(248 to 65 MYA)			
Cretaceous	144 to 65 MYA			
Jurassic	206 to 144 MYA			
Triassic	248 to 206 MYA			
Paleozoic Era	(543 to 248 MYA)			
Permian	290 to 248 MYA			
Pennsylvanian	323 to 290 MYA			
Mississippian	354 to 323 MYA			
Devonian	417 to 354 MYA			
Silurian	443 to 417 MYA			
Ordovician	490 to 443 MYA			
Cambrian	543 to 490 MYA			
PROTEROZOIC EON	2500 to 543 MYA			
ARCHEAN EON	3800 to 2500 MYA			
HADEAN EON	4600 to 3800 MYA			

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