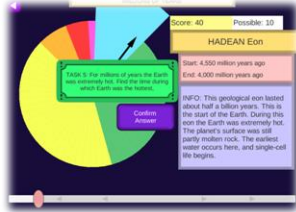


Piecing Together the Puzzle



On the 1st game of this week's Legends playlist, you had a challenge to complete different tasks related to scale and time.



Yesterday we talked about how scientists used rock strata and index fossils to give us "pieces" of the past.

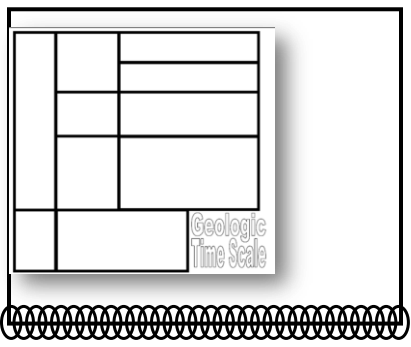
Today we are going to put those different pieces together to form our own Geologic Time Scale.



Your Turn

Glue the "block" page on page 52 4C.

Glue sideways as close to the left-hand side as possible!



You will need room to write on the page.



Let's piece together Earth's history ...

We will go to the hallway to the timeline rope – the long rope you saw me putting up on Tuesday.

Stand against the wall on the opposite side of the hallway **QUIETLY**.

I will ask for your help in placing cards (labels) on the timeline in the correct place.

Pay attention because you will need to remember what you learned for our next activity.

Quick Question: What does “mya” mean?

The diagram shows a grid for a Geologic Time Scale. The grid has 4 rows and 2 columns. The bottom-left cell is currently occupied by a card labeled 'Precambrian (4600 to 542.0 mya)'. A red arrow points from this card to the bottom-left cell of the grid. To the right of the grid is a collection of cards to be cut out and placed in the grid. The cards are:

- Tertiary (65.5 - 2,588 mya)
- Neogene (23.03 - 2,588 mya)
- Paleogene (65.5 - 23.03 mya)
- Phanerozoic (542.0 mya to present)
- Mesozoic (251.0 to 65.5 mya)
- Paleozoic (542.0 to 251.0 mya)
- Precambrian (4600 to 542.0 mya)
- Cenozoic (65.5 mya to present)
- Proterozoic (2500 - 542.0 mya)
- Archean (4000 - 2500 mya)
- Hadean (4600 - 4000 mya)

Geologic Time Scale

Cut out the PRECAMBRIAN card.

Glue it in the bottom left-hand corner.

Geologic Time Scale

Precambrian (4600 to 542.0 mya)	Proterozoic (2500 - 542.0 mya)
	Archean (4000 - 2500 mya)
	Hadean (4600 - 4000 mya)

Tertiary (65.5 - 2,588 mya)	Neogene (23.03 - 2,588 mya)
Paleogene (65.5 - 23.03 mya)	

Phanerozoic (542.0 mya to present)	Mesozoic (251.0 to 65.5 mya)
---------------------------------------	---------------------------------

Paleozoic (542.0 to 251.0 mya)	Precambrian (4600 to 542.0 mya)	Cenozoic (65.5 mya to present)
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Proterozoic (2500 - 542.0 mya)
Archean (4000 - 2500 mya)
Hadean (4600 - 4000 mya)

Cut out the block with the first THREE EONS listed.

Glue it in the box to the right of PRECAMBRIAN TIME.

Geologic Time Scale

Precambrian (4600 to 542.0 mya)	Proterozoic (2500 - 542.0 mya)
	Archean (4000 - 2500 mya)
	Hadean (4600 - 4000 mya)

Tertiary (65.5 - 2,588 mya)	Neogene (23.03 - 2,588 mya)
Paleogene (65.5 - 23.03 mya)	

Phanerozoic (542.0 mya to present)	Mesozoic (251.0 to 65.5 mya)
---------------------------------------	---------------------------------

Paleozoic (542.0 to 251.0 mya)	Precambrian (4600 to 542.0 mya)	Cenozoic (65.5 mya to present)
-----------------------------------	------------------------------------	-----------------------------------

Proterozoic (2500 - 542.0 mya)
Archean (4000 - 2500 mya)
Hadean (4600 - 4000 mya)

Find the box for our current EON – PHANEROZOIC.

Glue it in the top left-hand column.

Phanerozoic (542.0 mya to present)		
PreCambrian (4600 to 542.0 mya)	Proterozoic (2500 - 542.0 mya) Archean (4000 - 2500 mya) Hadean (4600 - 4000 mya)	Geologic Time Scale

Where would the other blocks/pieces go?

You may want to use your textbook to help you. → **Textbooks**
Earth Science Unit 1 Text
Rock Detective Links

DUE MONDAY by the start of class!

Tertiary (65.5 - 2,588 mya)	Neogene (23.03 - 2,588 mya)
	Paleogene (65.5 - 23.03 mya)

Mesozoic (251.0 to 65.5 mya)
--

Paleozoic (542.0 to 251.0 mya)
--

Cenozoic (65.5 mya to present)
--

Permian (299.0 - 251.0 mya)
Carboniferous (359.2 - 299.0 mya)
Devonian (416.0 - 359.2 mya)
Silurian (443.7 - 416.0 mya)
Ordovician (488.3 - 443.7 mya)
Cambrian (542.0 - 488.3 mya)

Quaternary (2,588 mya to present)	Holocene (11,700 yrs - present)
	Pleistocene (2,588 mya - 11,700 yrs)

Cretaceous (145.5 - 65.5 mya)
Jurassic (199.6 - 145.5 mya)
Triassic (251.0 - 199.6 mya)