



# LAPWORTH GEOLOGY TRAIL

Key Stage 3



Name: \_\_\_\_\_



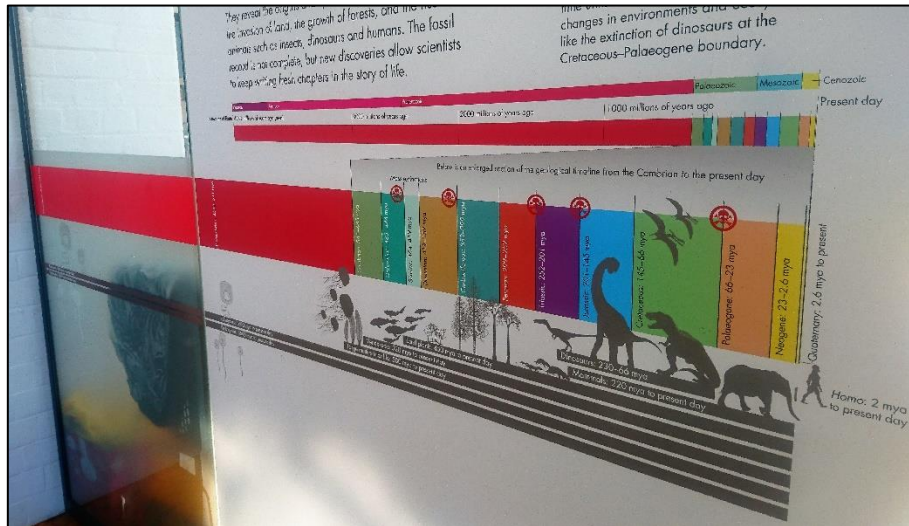
UNIVERSITY OF  
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# Find the start of our Geological Timeline in our

## Evolution of Life Gallery



1. How old is the Earth? \_\_\_\_\_
2. What is the name of the first geological time period?  
\_\_\_\_\_
3. Find the display case for the **Ordovician** time period.  
Look at the fossils of **Graptolites**, were they plants or animals?  
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4. During the **Silurian time period**, the West Midlands would have been under a shallow tropical sea. What animals would have lived there?

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5. What type of animal is the **Dudley Bug**? (*Hint: it is found in the Silurian time period*)

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6. What type of **animal** walked across the West Midlands during the **Late Carboniferous**?

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What **traces** did it leave behind?

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7. Name **three animals** that would have lived in the **Jurassic** seas.

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8. What disastrous event happened at the end of the **Cretaceous** period?

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9. Look at the skull of the Sabre Toothed Cat. What did it use its **giant teeth** for?

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## Examine our Rock Wall

10. Rocks can be classified into three groups based on how they form. Name the three **rock groups**:

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11. Look at all the rocks on the Rock Wall. Decide what type of **rock** would be best to use as:

A kitchen work surface \_\_\_\_\_

Roof tiles \_\_\_\_\_

## [Find our Active Earth Gallery](#)

12. Watch the Earth's Palaeogeography clip on the Active Earth Globe. At what time did the continents join to form the supercontinent **Pangea**?
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13. What **machine** is used to measure Earthquakes?
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14. What is **obsidian**? (*Hint: it is volcanic in origin*)
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15. Look at the **microfossils** under the microscope.

They come in lots of different shapes, draw an example of one below.



16. Where will you find the **largest amount** of **ice** in the world today?

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## Go upstairs to our Mineral Wealth Gallery

17. Find the mineral Pyrite. What **shape** and **colour** is it? \_\_\_\_\_



18. Which white mineral has the highest **density**? \_\_\_\_\_

19. What mineral looks **orange** under **Longwave Ultra Violet** light? \_\_\_\_\_