



# Wooden Structure Find Rewrites Human History: Oldest Ever Discovered

## Description

For centuries, the prevailing image of ancient humans has centered around their reliance on stone tools. However, recent discoveries of wooden artifacts at Kalambo Falls in Zambia challenge this perception. Researchers have unearthed wooden structures dating back approximately 476,000 years, showcasing advanced craftsmanship and design techniques. These structures, meticulously shaped and joined, hint at the presence of platforms or rudimentary shelters.

Professor Larry Barham of the University of Liverpool led the team that made these groundbreaking discoveries. They found a range of wooden artifacts, including a wedge, a digging stick, and a log that had been cut with tools. These artifacts, preserved in waterlogged conditions at Kalambo Falls, represent the work of early humans predating *Homo sapiens*, possibly belonging to *Homo heidelbergensis* or a related species.

The significance of these findings lies in their implications for our understanding of early human capabilities. Traditionally, early humans were thought to have limited woodworking skills, with stone tools dominating the archaeological record. The discovery at Kalambo Falls challenges this notion, revealing a level of woodworking expertise previously underestimated.

By utilizing advanced dating techniques like luminescence dating, researchers have placed these wooden artifacts in a distant era, shedding light on early humans' resourcefulness and adaptability. This newfound evidence suggests that early hominins were not solely reliant on stone tools but also had a sophisticated understanding of wood as a versatile material for creating tools, structures, and other functional objects.

The implications of these discoveries extend beyond their archaeological significance. The findings at Kalambo Falls prompt a reevaluation of early human ingenuity and creativity, emphasizing the complexity of their technological advancements and cultural practices. As we continue to unravel the mysteries of our ancient ancestors, it becomes clear that their abilities far surpassed our previous assumptions, paving the way for a more nuanced understanding of human evolution.

## Vocabulary List:

1. **Artifacts** /'ɑ:rtɪfækt/ (noun): Objects made by humans typically an item of cultural or historical interest.
2. **Craftsmanship** /'kræf(t)s.mæn.ʃɪp/ (noun): Skill in a particular craft or trade.
3. **Implications** /,ɪmplɪ'keɪʃənz/ (noun): The possible effects or results of an action or decision.
4. **Resourcefulness** /rɪ'sɔ:rs.fəl.nəs/ (noun): The ability to find quick and clever ways to overcome difficulties.
5. **Predating** /,pri:'deɪtɪŋ/ (verb): To exist or occur at a time earlier than something else.
6. **Nuanced** /'nju:ɑ:n(t)s/ (adjective): Characterized by subtle differences in meaning or expression.



## Comprehension Questions

### Multiple Choice

1. What is the estimated age of the wooden structures discovered at Kalambo Falls?  
Option: 476,000 years  
Option: 2,000 years  
Option: 10,000 years  
Option: 1 million years
2. Which university led the team that made the discoveries at Kalambo Falls?  
Option: University of Liverpool  
Option: Harvard University  
Option: Oxford University  
Option: Stanford University
3. What type of wooden artifacts were found at Kalambo Falls?  
Option: Wedge, digging stick, log  
Option: Spearheads, arrowheads, knives  
Option: Pottery, jewelry, tools  
Option: Metal artifacts, textiles, ceramics
4. Which early human species are the discovered artifacts believed to belong to?  
Option: Homo sapiens  
Option: Homo neanderthalensis  
Option: Homo heidelbergensis  
Option: Australopithecus afarensis
5. What advanced dating technique was used to date the wooden artifacts?  
Option: Carbon dating  
Option: Luminescence dating  
Option: Potassium-argon dating  
Option: Dendrochronology
6. What do the discoveries at Kalambo Falls suggest about early hominins?  
Option: Reliance solely on stone tools



- Option: Sophisticated woodworking skills
- Option: No tools used for crafting
- Option: Utilization of only metal tools

### True-False

7. The wooden artifacts found at Kalambo Falls challenge the belief in limited woodworking skills among early humans.
8. The wooden structures discovered at Kalambo Falls were not shaped or joined in a deliberate manner.
9. The findings at Kalambo Falls primarily focus on the use of metal tools by early hominins.
10. Professor Larry Barham is affiliated with Stanford University.
11. The wooden artifacts at Kalambo Falls were found in dry conditions.
12. The significance of the discoveries at Kalambo Falls only relates to their archaeological impact.

### Gap-Fill

15. Traditionally, early humans were thought to have limited woodworking skills, with stone tools dominating the archaeological record. The discovery at Kalambo Falls challenges this notion, revealing a level of woodworking expertise previously \_\_\_\_\_.
16. The discoveries at Kalambo Falls prompt a reevaluation of early human ingenuity and creativity, emphasizing the complexity of their technological advancements and cultural practices. These findings highlight the \_\_\_\_\_ of our ancient ancestors.
17. The wooden artifacts found at Kalambo Falls represent the work of early humans predating Homo sapiens, possibly belonging to Homo heidelbergensis or a related \_\_\_\_\_.
18. The team led by Professor Larry Barham found a range of wooden artifacts at Kalambo Falls, including a



wedge, a digging stick, and a log that had been cut with \_\_\_\_\_.

## Answer

**Multiple Choice:** 1. 476,000 years 2. University of Liverpool 3. Wedge, digging stick, log 4. Homo heidelbergensis 5. Luminescence dating 6. Sophisticated woodworking skills

**True-False:** 7. True 8. False 9. False 10. False 11. False 12. False

**Gap-Fill:** 15. underestimated 16. abilities 17. species 18. tools

## Vocabulary quizzes

### Multiple Choice ( Select the Correct answer for each question. )

1. What quantum phenomenon involves a strong correlation between particles regardless of their separation?

Option: Propulsion

Option: Entanglement

Option: Harnessing

Option: Efficiency

2. Which term refers to a large and densely populated urban area?

Option: Craftsmanship

Option: Metropolis

Option: Resourcefulness

Option: Sustaining

3. What is the name for the region of space where the solar wind dramatically slowed down?

Option: Fiercely

Option: Astrosphere

Option: Psychological

Option: Implications

4. Which term describes the speed of an object in a specific direction?

Option: Dismantling

Option: Velocity

Option: Coronal

Option: Transcends

5. What term refers to the skill and quality shown in making something by hand?



- Option: Implications
- Option: Multiplayer
- Option: Craftsmanship
- Option: Skirmishes

6. Which term relates to the mind and behavior of a person?

- Option: Propulsion
- Option: Cyclically
- Option: Psychological
- Option: Interstellar

7. Which term refers to the space that exists between star systems in a galaxy?

- Option: Stellar Wind
- Option: Ecosystem
- Option: Interstellar
- Option: Orchestrated

8. What is the process of driving or pushing an object forward?

- Option: Cyclically
- Option: Propulsion
- Option: Resourcefulness
- Option: Velocity

9. Which term describes the ability to find quick and clever ways to overcome difficulties?

- Option: Implications
- Option: Resourcefulness
- Option: Predating
- Option: Efficiency

10. What term describes the ability to accomplish a task with minimal waste of time and effort?

- Option: Metropolis
- Option: Efficiency
- Option: Artifacts
- Option: Sustaining

**Gap-Fill ( Fill in the blanks with the correct word from the vocabulary list. )**

11. \_\_\_\_\_ the power of the sun could provide a sustainable energy source for the future.



12. The ancient civilization's advanced knowledge in astronomy suggests that their developments \_\_\_\_\_ modern astronomical discoveries.
13. Ensuring the ecosystem remains healthy is crucial for \_\_\_\_\_ biodiversity.
14. The \_\_\_\_\_ mass ejections from the sun can impact space weather near Earth.
15. The company \_\_\_\_\_ an elaborate marketing campaign to launch its new product.
16. The two rival teams competed \_\_\_\_\_ on the field for the championship title.
17. The online game allows \_\_\_\_\_ interaction among users in various virtual worlds.
18. The training program aims to \_\_\_\_\_ participants actively in hands-on learning activities.
19. The library organizes books according to genre or \_\_\_\_\_ for easy access.
20. There were frequent \_\_\_\_\_ between the opposing forces along the border.

**Matching Sentences ( Match each definition to the correct word from the vocabulary list. )**

21. The factory workers were tasked with taking apart the machinery for maintenance.
22. The novel's plot had layers of meaning that required careful reading to fully grasp.
23. The new policy had wide-reaching for both employees and customers.
24. The bustling was full of skyscrapers and a diverse population.
25. The archaeologists unearthed ancient that shed light on the lost civilization.
26. The moon goes through its phases with each lunar month.
27. The carries particles from stars influencing the environment of surrounding planets.
28. are high-energy particles from space that can impact electronic equipment.
29. Art that cultural boundaries can resonate with audiences worldwide.



30. The health of an is essential for maintaining biodiversity and environmental balance.

## Answer

**Multiple Choice:** 1. Entanglement 2. Metropolis 3. Astrosphere 4. Velocity 5. Craftsmanship 6. Psychological 7. Interstellar 8. Propulsion 9. Resourcefulness 10. Efficiency

**Gap-Fill:** 11. Harnessing 12. Predating 13. Sustaining 14. Coronal 15. Orchestrated 16. Fiercely 17. Multiplayer 18. Engage 19. Category 20. Skirmishes

**Matching sentence:** 1. Dismantling 2. Nuanced 3. Implications 4. Metropolis 5. Artifacts 6. Cyclically 7. Stellar Wind 8. Cosmic Rays 9. Transcends 10. Ecosystem

## CATEGORY

1. Sci/Tech - LEVEL6

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