



GORONGOSA TIMELINE – SOCIAL SCIENCE WORKSHEET

ABOUT THIS WORKSHEET

This worksheet complements the Click and Learn “Gorongosa Timeline” (<http://www.hhmi.org/biointeractive/gorongosa-timeline>) developed in conjunction with the short film *The Guide: A Biologist in Gorongosa* (<http://www.hhmi.org/biointeractive/the-guide-a-biologist-in-gorongosa>) and provides questions related to social science. Chronologically organized questions are followed by concluding and extended learning questions.

PROCEDURE

Use the listed time frames below to proceed through the Click and Learn. Answer the questions in the spaces provided before proceeding to the next time frame. You can customize how stories are viewed by clicking on the buttons in the bottom right and left corners of the Click and Learn. The 2D/3D button on the left lets you toggle between a two- and three-dimensional view of the timeline; the tool button on the right opens a window where you can filter events by category, change how categories are displayed, and zoom in or out. Use the search function to find specific events using relevant keywords or phrases. **To read more about an event, click on the image (3D view) or the “More” button in the bottom right corner of the entry (2D view).**

PRIOR TO 1840

1. What characteristic of Gorongosa made it a “refuge for early humans”?

2. What can we learn about the people of Gorongosa and their past based on language?

1840 TO 1965

3. What late-18th-century invention, crucial to the start of the Industrial Revolution, was used in Livingston’s expedition?

4. **Opinion Question:** Do you consider the original goals of Livingston’s expedition noble? Were the lasting impacts of Livingston’s expedition positive?

5. When did Gorongosa first become a reserve? And what purpose did it serve?



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6. When did Gorongosa's protection status change to National Park? And what did this mean for the plant and animal species in the park?

1965 TO 1976

7. What may have prompted the Colonial Government to reduce Gorongosa Park's area for farming in 1966?

8. What does the discovery of the Pygmy Chameleon tell us about Gorongosa's actual biodiversity?

9. When did Mozambique officially gain its independence?

10. **Opinion Question:** How could Portugal have assisted Mozambique in the years following Mozambique's independence? Should helping Mozambique have been seen as a moral obligation?

1976 TO 2004

11. What caused the demise of many of Gorongosa's most famous species? Why did the demise of these species happen when it did?

12. **Follow the link in the 1993-1996 entry "Park Devastation and Decline in Wildlife Continue."** How do rangers protect Gorongosa's wildlife today? What challenges do they face?



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13. What do you think Greg Carr may have seen in Gorongosa that motivated him to partner with the Mozambique government to save the park?

14. **Opinion Question:** The goals of conservationists are often at odds with the goals of business leaders. To what degree is that statement true? How can governments most effectively help protect the environment and promote economic growth at the same time?

2004 TO 2007

15. What steps did the Gorongosa Restoration Project take in restoring Gorongosa to its pre-Civil War glory?

2007 TO 2011

16. What is the goal of the partnership between the Mozambican government and the Gorongosa Restoration Project?

17. **Follow the “Mount Gorongosa” and “Find out more” links in the 2010 entry “Mount Gorongosa Protected.”** Why are trees essential to the health of Mount Gorongosa and the rest of the park?

2011 TO 2013

18. As the success of the Gorongosa Restoration Project begins to become recognizable, what efforts are taken to better understand the biodiversity of Gorongosa?



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2014 AND ONWARD

19. What are the ongoing challenges to the restoration Gorongosa? Why does this create such a challenge?

20. **Opinion Question:** To what degree do developed nations, such as the United States, share in the responsibility of restoring natural habitats around the world?

CONCLUDING QUESTIONS

21. Though there is substantial work to be done, the Gorongosa Restoration Project has seen significant success over the past decade. What do you think has been the key to that success? Use events from the timeline to support your answer.

22. **Go back to the ranger diaries linked to via the “Find out more” buttons in the following timeline entries: “Park Devastation and Decline in Wildlife Continue” (1993-96), “Wildlife Reintroductions Begin” (Aug 2006), and “Mount Gorongosa Protected” (Jun 2010).** What similarities do you see in the mindsets and attitudes of the Gorongosa National Park workers? Why is this essential to the work they do?



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EXTENDED LEARNING QUESTIONS

Write your answers on a separate sheet of paper or into your notebook.

23. The Mozambican Civil War was a catalyst in the destruction of the Gorongosa ecosystem. Find and describe additional examples of civil wars around the world causing environmental destruction. Why do you think that civil wars can be so devastating to the environment? *(Cite the sources that are used to answer this question.)*
24. Research the Treaty of Tordesillas. Who takes part in the negotiations that eventually lead to Portugal's colonization of Mozambique? Who is left out of the negotiations? How does this lay the groundwork for some of the challenges faced by Mozambique and Gorongosa during the 20th century? *(Cite the sources that are used to answer this question.)*