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While Listening Activities

1. Where is our genetic material stored?
2. Where is the genetic information contained?
3. What happens when new cells are formed?
4. Why are these errors useful?
5. When can we date back the period of a common ancestor with the chimpanzees?
6. How many differences can we find in a whole human genome, one from our mothers and one from our fathers?
7. Where is there more genetic variation?
8. Where do the scientists think the modern man has evolved?
9. From which perspective can we say “We are all Africans”?
10. So, what can a genome from one individual tell us?
11. Other than facial features, skin color, hair structure, which characteristics vary from one continent to another?
12. Can we understand where an individual comes from if we observe his kidneys, liver and heart?
13. What happens when, 100,000 years ago, the modern humans came out from Africa?
14. According to the latest discoveries, who do Neanderthals have DNA sequences in common with?
15. So, which humans were in the West and which in the East?

TO SUMMARIZE

In Southern Siberia, there were both _____ and _____ at least at some time in the past. Then modern humans emerged somewhere in _____, came out of _____, presumably in the _____. They meet _____, mix with _____, continue to spread over the _____, and somewhere in _____, they meet _____ and mix with _____ and continue on out into the _____.

TO CONCLUDE

We have always _____. We _____ with these earlier forms of humans, wherever we _____, and we _____ with each other _____.

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DNA from ancient soil reveals the history of the cave that cracked open the field of human evolution

23 JUN 2021 · BY ELIZABETH PENNISI



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In Siberia, researchers lay out a grid in Denisova Cave to systematically sample soil layers for DNA. RICHARD G. ROBERTS

READING ACTIVITY

LET'S UPDATE THEIR PROFILES

NEANDERTHALS
from
Neander Valley
in Germany

DENISOVANS
from
Denisova Cave
in Siberia

**MODERN
HUMANS**