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Student Exhibition Worksheets

Mammoths and Mastodons: Titans of the Ice Age at the San Diego Natural History Museum is supported by:

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1. Elephants, mammoths, and mastodons belong	g to a group of mammals
called	The name comes from
the word proboscis, referring to their long	, a feature
many of these animals share.	
2. The first proboscideans evolved in Africa abou	t million years
ago. Over time, they evolved into over	different species!
3. Mammoths and mastodons lived and roamed to Age from years ago to could be found on what three continents?	_
4. Are mammoths the ancestors of elephants? How are they related?	

5. The	was slightly shorter but more heavily
built than the Mammoth.	Since it was also an animal who lived here in
San Diego during the	Epoch, he would have had
an imposing presence on	
6. How did the Mammoth	migrate to North America?
7. The	Family Tree includes the woolly
mammoths, mastodons, p	olus the dwarf elephants and modern elephants
from Africa and Asia. Nan	ne three other species that have also gone extinct.
	, and
8. Compare and contrast	a Mammoth to a Mastodon. What are the biggest
differences? What are the	most unique similarities?

9. To keep warm, mammoths evolved thick layers of _	beneath
their skin. They also had a warm 'under coat' of	and an 'over
coat' of, some of which cou	ald have been up to
three feet in length.	
10. What other species of animals were alive during in	
Epoch are now extinct? Compare and contrast them to	o their living relative
today.	
11. In order to figure out what kind of lives mammoth	s and mastodons led,
what they ate and how they interacted with their world	d, what types of
evidence do scientists study to answer these questions	s? What do scientists
observe today to understand the behavior and life cycl	e of mammoths and
mastodons?	

l3. 'Lyuba' (lee-OO-buh) is a rem	arkable baby mammoth specimen. What
are the three reasons why she is	so well preserved?
4. The teeth from 'Lyuba' can tel	Il scientists what three specific things?
	ll scientists what three specific things?
15. Besides the intestines of 'Lyu'	and
15. Besides the intestines of 'Lyu' nvestigate to find out what a mar	and ba,' what do scientists study and

17. Some male Columbian mammoths stood	_ feet tall at
the shoulder! These giant mammoths were one of the largest protoever live!	roboscideans
18. Here in San Diego and elsewhere in the American West, Commandate shared the landscape with other herbivores. Those (plant-eaters) included:	
19. What was the largest herbivore species after mammoths an mastodons?	ıd
20. How much vegetation did a Columbian mammoth eat in a s	single day?
21. Powerful carnivores (meat-eaters) also populated the region mammoths and mastodons lived. Three examples are:	is where
22. For tens of thousands of years, humans lived alongside ma mastodons. What is the evidence used to confirm this hypothes	

23. How did some mammoths end up living on islands?		
_		
24. There are only	three proboscideans alive today. They are:	
Are their numbers	in decline? Why?	
_		
25. True or false:		
•	Mammoths and mastodons lived only in snow and ice.	
•	Mammoths helped build Egypt's great pyramids.	
•	Mammoths could swim.	
•	The evolutionary cousins of mammoths and	
mastodons are still	alive today.	

26. One of the most important reasons scientists are studying mammoths
and mastodons is to protect and conserve our remaining elephant
populations. In fact, so much research has been done on mammoths that
the possibility may soon exist to clone a mammoth and have a live specimen
to study. Should scientists continue this research and 'make a mammoth?'
What do YOU think the pros and cons are of this work?