**HTEWS: America Ice Age Quest**

1. **Which Force has had the most dramatic effect on the landscape of North America: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**
2. **\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ first proposed glaciations as the causes of Americas topographic features**
3. **\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ collected during the 1950’s -60’s provided evidence for the glaciation theory. The organism collected in these sample; \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ act like natural\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**
4. **The approximate temperature 2 mya was\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ but in just \_\_\_\_\_\_\_\_\_\_\_\_ years the temperature dropped to \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**
5. **On average how much snow will an average winter storm drop \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**
6. **The erratic discovered in the Illinois quarry originated in \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_. The process by which this object was weathered/eroded is known as \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**
7. **\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ moraines were viewed by the geologist from the hot-air balloon**
8. **The grooves discovered in rocks caused by glacial movement are known as \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ and show the \_\_\_\_\_\_\_\_\_\_\_\_\_\_of the ice sheet/glacier**
9. **During the last Ice Age the N. America glacier moved \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**
10. **What geologic event/feature could weaken bedrock enough to form basin/depression due to the presence of glacial ice\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_. He largest of these basins are known as the \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ today and contain enough water to cover NY state to a depth of \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.**
11. **The melting of this ice resulted in the release of \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ ft3of water resulting in the formation of \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ along the NY – Canada border**
12. **Glacial ice traps\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ which contain gases from ancient atmospheres. Analysis shows that Ice Ages occur roughly every \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ years**
13. **\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ located on Bear mountain in upstate NY show the glacier was \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ and its total mass was \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ mi3**
14. **The ice sheet depressed\_\_\_\_\_\_\_\_\_\_\_\_\_ areas while pushing up\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ areas. Evidence for this is shown by the presence of fossilized \_\_\_\_\_\_\_\_\_\_\_\_\_\_ near Miami. This demonstrates that \_\_\_\_\_\_\_\_\_\_\_\_ rose and fell as the glaciers\_\_\_\_\_\_\_\_\_\_ and \_\_\_\_\_\_\_\_\_\_\_\_**
15. **Glaciers covered 2/3 of North America as recently as \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ years ago.**
16. **Around \_\_\_\_\_\_\_\_\_\_\_\_\_\_ years ago, humans from \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ were found in Oregon. The evidence for this was \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ or fossilized excrement. These humans and other animals crossed over a \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.**
17. **The last recorded Ice-Age occurred \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ years ago and lasted \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ years.**
18. **List 3 economic resources linked to glacial ice**
19. **Melting ice has pushed sea levels up \_\_\_\_\_\_\_\_\_\_\_ per century**
20. **How many acres of land in Florida will flood in 100 years?\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**