**ES202 Cyber Friday Video Exercise March 3, 2017 Name\_\_\_\_\_\_\_\_\_\_\_\_\_**

Watch the “Ice Age Documentary ” (~45 minutes) Video on Youtube at the following link:

<https://www.youtube.com/watch?v=1nSIj9tvhbY>

1. What is the extent and thickness of continental glaciations in the Earth’s past.
2. What are glacial striations and how are they used to reconstruct glacier dynamics, draw a sketch.
3. What are the significance of “foraminifera” fossils in the sediment record of the oceans.
4. What climate conditions lead to the development of continental glaciers.
5. What are “moraines” and how are they used to identify ancient glacial processes. Draw a sketch.
6. How many “ice ages” occurred in the last 1 million years?
7. What is the significance of the Great Lakes of Midwestern U.S. in relation to glacial history?
8. Describe how ice cores are used to reconstruct ancient climates.
9. What are “chatter marks” and what do they indicate about past glaciations.
10. What is the cycle of large scale glaciation over the last 500,000 years.
11. How do glacial climates effect global sea level over time.
12. How far back in time do the earliest archeological sites occur in North America.
13. What is the Siberian landbridge and how does it related to glacial climate.
14. How long has the current interglacial warm period been developing?
15. List and explain five pieces of evidence found on the Earth’s landscape that are indicative of past glacial climates in Earth history. Draw sketches to support your answers.
16. List three pieces of evidence that indicate the Earth is currently in a global warming trend.