

Historical Geology Date Dec. 13, 2005

Name _____

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Take Home portion of the exam: worth 50 points (out of 200 points total)

1. Write 1 to 2 pages, single spaced, preferably typed, describing the cratonic sequences of North America. Write at least one paragraph for each of the 6 sequences. Be sure to give the name, the geologic periods covered and times. Describe the orogenies and where they are and the evidence for them. Describe the types of plants and animals that were new and those that were good index fossils and those that were most abundant. Describe the general temperature and distribution of the oceans, particularly noting any transgressions and regressions. Mention any especially interesting or unusual rock formations and ore deposits or mineral or energy resources. Describe the ice ages if any and describe the plate tectonic configuration. Describe what caused the unconformity at the beginning and end of each sequence and any unusual or interesting features of each sequence that was different from others.