Session 1 – Homework Name_____
Iowa's Environmental Resources

You just received summary of Iowa's Environmental History, or the geologic foundation that will set the stage for our future discussions and summer workshop.
1 pt. each for the multiple choice

____1. The Earth is ___?___ billion years old.
A. 1.6 B. 2.6 C. 3.6 D. 4.6

____2. The oldest rocks in Iowa are ___?__ billion years old.
A. 1.6 B. 2.6 C. 3.6 D. 4.6

____3. The process of dolomitization replaces calcium with this element.
A. Silicon B. Iron C. Magnesium D. Sodium

____4. Iowa's most recent Ordovician discovery, is famous for its Lagerstatten fossil assemblage *in this town*.
A. Ackley B. Baldwin C. Cascade D. Decorah

_____5. The Iowa Formation, Floyd-Mitchell County, is so fine grained/pure that it was once used for….
A. Lithographs B. Gravel roads C. Pitchers mounds D. Boat docks

____6. UNI is on this landform region, characterized by stone lines, paha, rivers, and ice wedge casts.
A. Paleozoic Plateau B. Loess Hills C. Iowan Surface D. East-central Drift Plain

____7. Iowa's primary drainage divide is in which 'third' of the state?
A. Western B. Central C. Eastern

____8. Iowa's oldest and most extensive glacial period is the___?__?
A. Wisconsinan B. Illinoian C. Pre-Illinoian D. Des Moines Lobe

____9. Glacial sediment deposited directly from melting ice called_?_ is poorly sorted, angular, and immature.
A. Till B. Transitional C. Fluvial D. Deltaic

____10. If you took the sediments out of the Mississippi River Valley, and stood at the Pikes Peak State Park overlook how deep would the valley be?
A. 300 ft B. 500 ft C. 800 ft D. 1000 ft

11. Using the following data engines to link Session 1 with an area of Iowa… E.g. could be your School's county OR an area that you find interesting and you want to learn more about…
Data engines – Links also provided on our webpage…
A. IGS publications > Select your county of interest > click search
B. IGS GeoLab > Text-Based Search > Select your county of interest > Turn on all options e.g. Grain size, Clay Min. pXRF etc.
C. Landform regions Videos
Write a characterization of your desired county. No more than two paragraphs that describes the county's bedrock and surficial geology. In addition to the digital search engines please use the Session 1 presentation for information. If your county does not have GeoLab/Geochemical data try an adjacent county. (10)