

You just received summary of Iowa's Environmental/ Petro-Geochemical background that will set the stage for our future discussions and summer workshop.

1 pt. each for the multiple choice

- ____ 1. Minerals differ from rocks primarily because they are ____?____.
A. homogenous B. heterogeneous C. homeostatic D. Homeoblastic
- ____ 2. A naturally occurring crystalline solid from which a metal or valuable mineral can be profitably extracted.
A. cation B. anion C. ore D. igneous extrusive
- ____ 3. How much stone, sand and gravel will an American need in their lifetime ____? ____ pounds.
A. 2000 B. 250,000 C. 751,000 D. 1,350,000
- ____ 4. The most abundant mineral group in the earth's crust are the...?
A. Oxides B. Silicates C. Carbonates D. Native metals
- ____ 5. Lithium is an important element that we use to increase our ability to store energy. What metal group does it belong to..?
A. Transition B. Alkaline C. Alkali D. Lanthanide
- ____ 6. Of the mineral formation processes, which are igneous rocks most likely to form from?
A. Precipitation B. Solidification C. Biomineralization D. Fumerolic
- ____ 7. Of the mineral formation processes, which one is responsible for the formation of the majority of Iowa's bedrock?
A. Precipitation B. Solidification C. Biomineralization D. Fumerolic
- ____ 8. The extrusive chemical equivalent of diorite is....
A. Rhyolite B. Andesite C. Basalt D. Gabbro
- ____ 9. Iowa's Jordan and St. Peter Formations are mined to support this industry.
A. Natural gas B. Battery storage C. Steel D. Jewelry
- ____ 10. Iowa's First General Assembly highlights the mining and use of this mineral.
A. Pyrite B. Galena C. Calcite D. Dolomite
11. A. What aspect of this week's content did you find most interesting?
B. What would you like to learn more about, and why? Could be the related to your answer for A or something different...
12. Read the requested NY times article. 'In Northern Minnesota, Two Economies Square Off: Mining vs. Wilderness
A. Write one summary paragraph for each major side of the debate.
B. Are there any voices/sides missing from this article?
C. Which side of the debate can you relate most to?
D. How should the debate be resolved? What would be the 'best practices'? What should Minnesota/ We do?

