

Bridging Q's

Day 10

Goals: Goals: As a result of this day's teaching you should be able to:

1. Easily use the scientific method of inquiry: Claim, evidence, warrant/reasoning
2. Be able to pose questions which elucidate the process.

Breakfast: Claim, Evidence Warrant: Scientific method of Inquiry.

How did the claim of continental glaciation get proposed?

Was it accepted immediately by scientists?

Is it considered controversial after more than 150 years?

Gravel Quarry

What kind of places do we get sand and gravel in most of Michigan?

What other use do such deposits have?

Is this a renewable resource?

Lake Annie

Minnesota is called the land of 10,000 lakes (possibly an overestimate), but it still expresses a high rate of occurrence for lakes which are quite rare in many places. Michigan and Northern Wisconsin has many lakes also. Why is this?

Geologists think that as erosion proceeds, lakes tend to disappear. Why?

What do glacial grooves record?

Groovy outcrop

How do we recognize glacial debris when it forms by being dropped directly from a glacier?

What is the source of the material in moraine?

How far has moraine material been moved?

How could you recognize areas of moraine on a map, Google Earth or an aerial photo?

Moraine

What are the biggest boulders in moraine?

How do erratics get separated from moraine?

How would you rate the erosive power of a glacier, compared to other geological agents?

Erratics

Is the glacial period of earth history over with?

The rate of global warming now postulated by earth scientists will cause an increase of 1.5-4 degrees C in Earth's average surface T in the next century. How does this compare with the past record of the glacial period?

How does the greenhouse effect work? Is it really like a greenhouse?

Greenhouse/blueberries