

Bridging Q's

Day 5

Goals: As a result of today's teaching you should be able to explain the how living evolution has changed the earth.

Breakfast: Life on earth evolves constantly and this has changed the earth significantly.

How do we know what rocks are older and which are younger?

Why is the geological record missing for many time periods? How can this happen?

If large parts of the geological record are missing in a particular place, how can we reconstruct the past?

L'Anse Unconformity

Can a mineral's streak be very different than its color?

What is the iron content of the whole earth?

If iron is everywhere, how come there is such a thing as iron ore?

Champion Mine

Why is there so much iron ore in the UP?

What is iron formation?

How could the iron formation get folded, since it seems very brittle?

Why are the iron formation in linear belts (Marquette Range, Mesabi Range, Menominee Range)?

Jasper Knob

Why are some mines underground and others pits?

What causes the "ghost street" areas near Negaunee?

Since iron formations are a thing of the past, we are mining non-renewable iron resources at an increasing rate. Should we worry about this?

How does iron ore at the surface affect the environment?

North Jackson Mine

What is the risk of meteorite impact today? What can we do to reduce it?

How could a single meteorite possibly have ended iron formations everywhere on earth?

What global consequences are in the geological record for meteorite impact events?

McClure Location

How does the modern public regard mining activity? Why?

How do exploration geologists find economic ore bodies?

What determines the viability of a mine prospect?

What is significant about sulfide minerals in ore?

Eagle Core site