

August 5, 2020

MagLab Summer Exploration Series
Week 10 Links

Hey everyone! On the surface, geochemistry is the science that uses the tools and principles of chemistry to explain the mechanisms behind major geological systems such as the Earth's crust and its oceans. But on a deeper level, [Geochemistry](#) at the MagLab is the discovery of the planet's past, present, and future by using chemistry to connect geology, oceanography, and meteorology.

Here's a quick look at one aspect of geochemistry at the MagLab as [Science in a Sentence](#). After watching that, let's take a better look at what we call, [Pole Patrol](#).

Now that you are familiar with geochemistry, I invite you to read [A Conversation with MagLab Researcher Jeremy Owens](#) as he talks about how his research leads to a better understanding of how climate has changed in Earth's history, and what is currently happening.

We have talked about petroleum and oil in week 9, but now we can talk about its impacts and what we do to understand it better. It all starts with figuring out [What's in an Oil Drop?](#) That knowledge allows us to solve real world mysteries, like [Getting to the Bottom of Deepwater Horizon's Impact](#).

At the National MagLab, we believe in renewable, responsible science. Part of our research leads to materials and energy solutions that will help us make the world a cleaner and better place. It's part of what we call [Sustainable Science](#).

The really amazing thing about geochemistry is that it is not limited to just Earth. One of our researchers is [Uncovering the Red Planet's Climate History](#) by studying meteorites from Mars!

Any questions? Email [Carlos R. Villa](#).