

Post-It Activity - Module 1

What is one theme you can identify from Module 1?

1. Microbes are numerous and important...

- Bacteria are important.
- Microbes have more importance/functions than one might think.
- Prokaryotes.
- The importance of microbes.
- Abundance - microbes are even more numerous than I originally thought.
- We should move forward by striking a balance between human intervention and natural microbial metabolism in correcting the biogeochemical imbalances.
- Judging by the sheer amount of microbial species and genes out there, I probably should learn R at some point.

Especially communities of microbes

- Emergent properties.

2. Microbes impact global cycles across space and time...

- Microbial engine.
- Microbes are guardians of metabolism and carry metabolic pathways/processes across millenia.
- The impact of microbial catalysis on nutrient cycling.
- Intermicrobial interactions underpin global biogeochemical cycles and local community-level metabolism.
- Microbes affect nutrient cycles as much as humans.
- Microbial processes, which occur at very small scales, can drive global processes at very large scales.
- Microbes play a major roles in biogeochemical cycles.
- A large array of metabolic pathway important proteins are conserved in microbes, even if they are not relied on. Conservation of essential genes.

Which has shaped and continues to shape the world we live in...

- Contribution of microbes to the evolutionary changes on Earth.
- Microbes contributed greatly to the evolution of aerobic life in the beginning.
- Microbes are almost entirely responsible for the global atmosphere.
- Small microscopic changes accumulates over time to shape the world we live in.
- Microbes have been crucial in shaping Earth's biosphere.
- Events influencing life on Earth.
- Microbes were involved in formation of current Earth systems.

And allows us, the humans, to survive.

- Microbes are vital to many biogeochemical cycles that are essential to human survival on the Earth.
- Microbes have learned to work and function together to make this planet habitable!
- Microbes shaped the world we live in today.