

Introduction to Earth Systems



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Icebreaker

If you could have anything for feet?

What are you excited to learn about?



Hi! I'm Megan

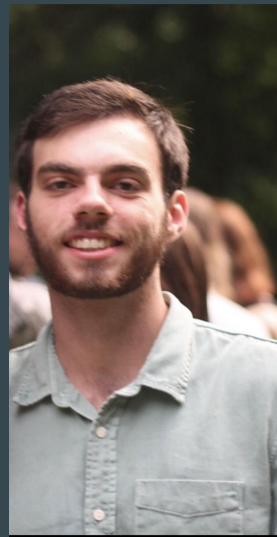
- From Kentucky
- Kentucky Fun Fact: home to the longest cave system in the world, Mammoth Cave National Park
- Degree in Political Science
- Worked in 6 states over the last 3 years
- Want to be a National Park Service park ranger





Hi I'm Jake

- From Virginia
- Just Graduated Degree in Environmental Science
- The past 2 summers taught classes in Mycology (the study of Fungi & Mushrooms)
- Want to be a Conservation Biologist





Our Program

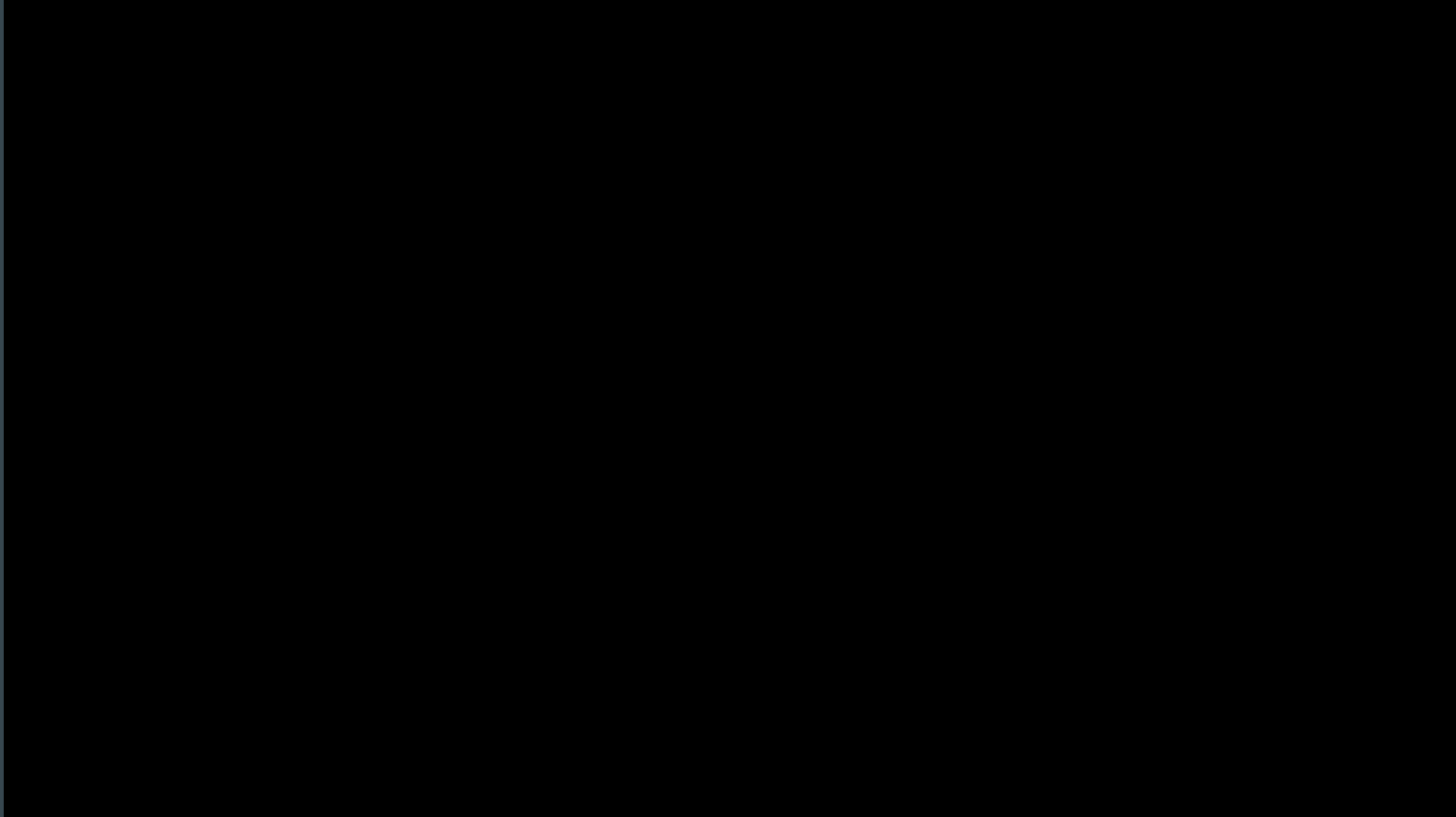
- We work for the Student Conservation Association (SCA) and AmeriCorps. These programs connect volunteers to work with nonprofits, governments, and community based organizations to provide service around the country.
- We currently work and live in Bear Brook State Park, one of New Hampshire's state parks.
- We are here to educate students, like you!, about science, nature, and the local New Hampshire environment!



AmeriCorps



Welcome to Bear Brunch (short video clip):





Observation



Write/draw 5-10 nature observations from the pictures

What Did You Observe?

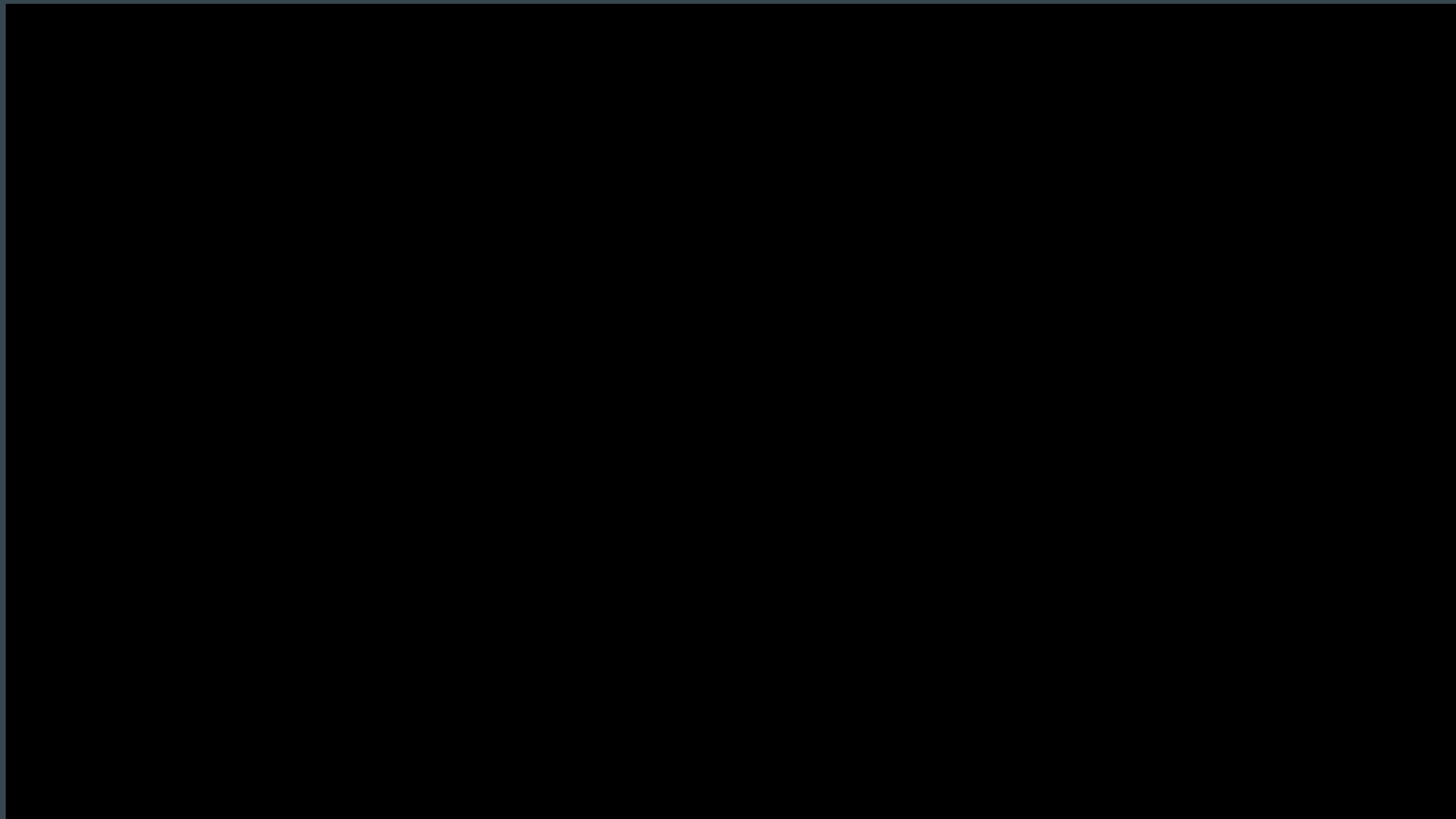
- Turn to a neighbor and share your observations

Everything you observed fit into what are called
“The 4 Spheres of Earth Systems”

Lets learn what they are on the next slides!

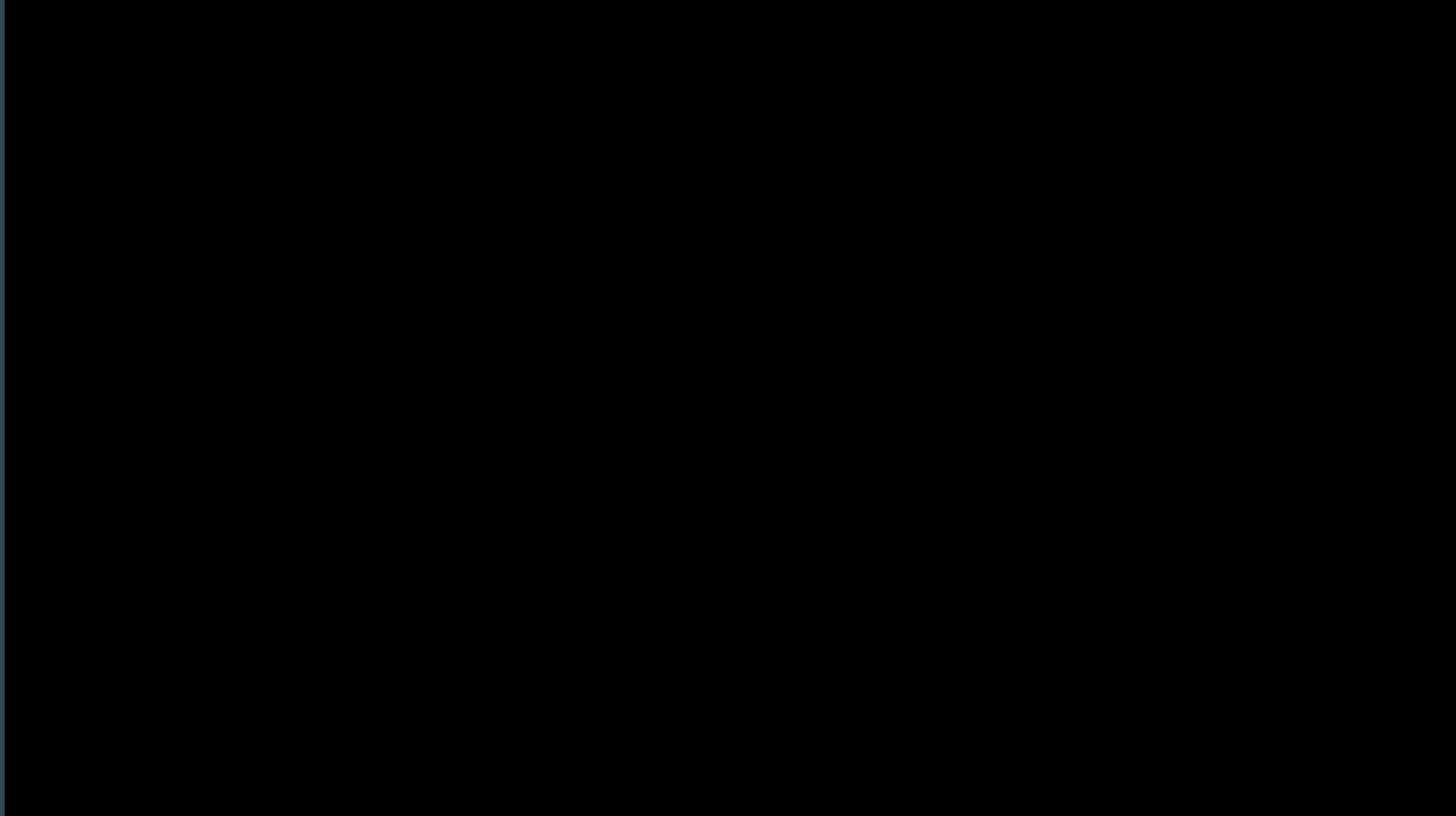


Biosphere (*short video clip*):



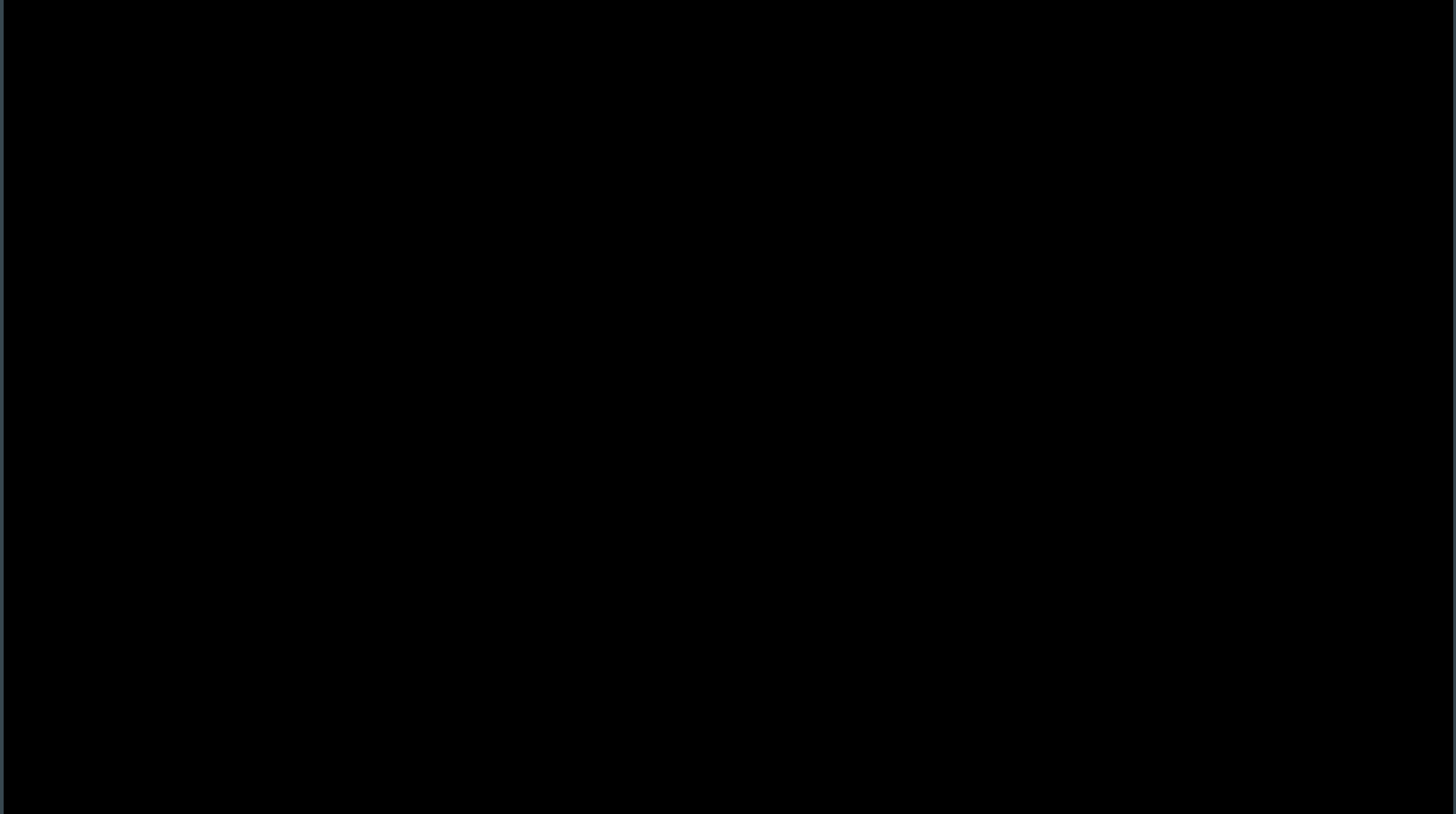


Geosphere (*short video clip*):



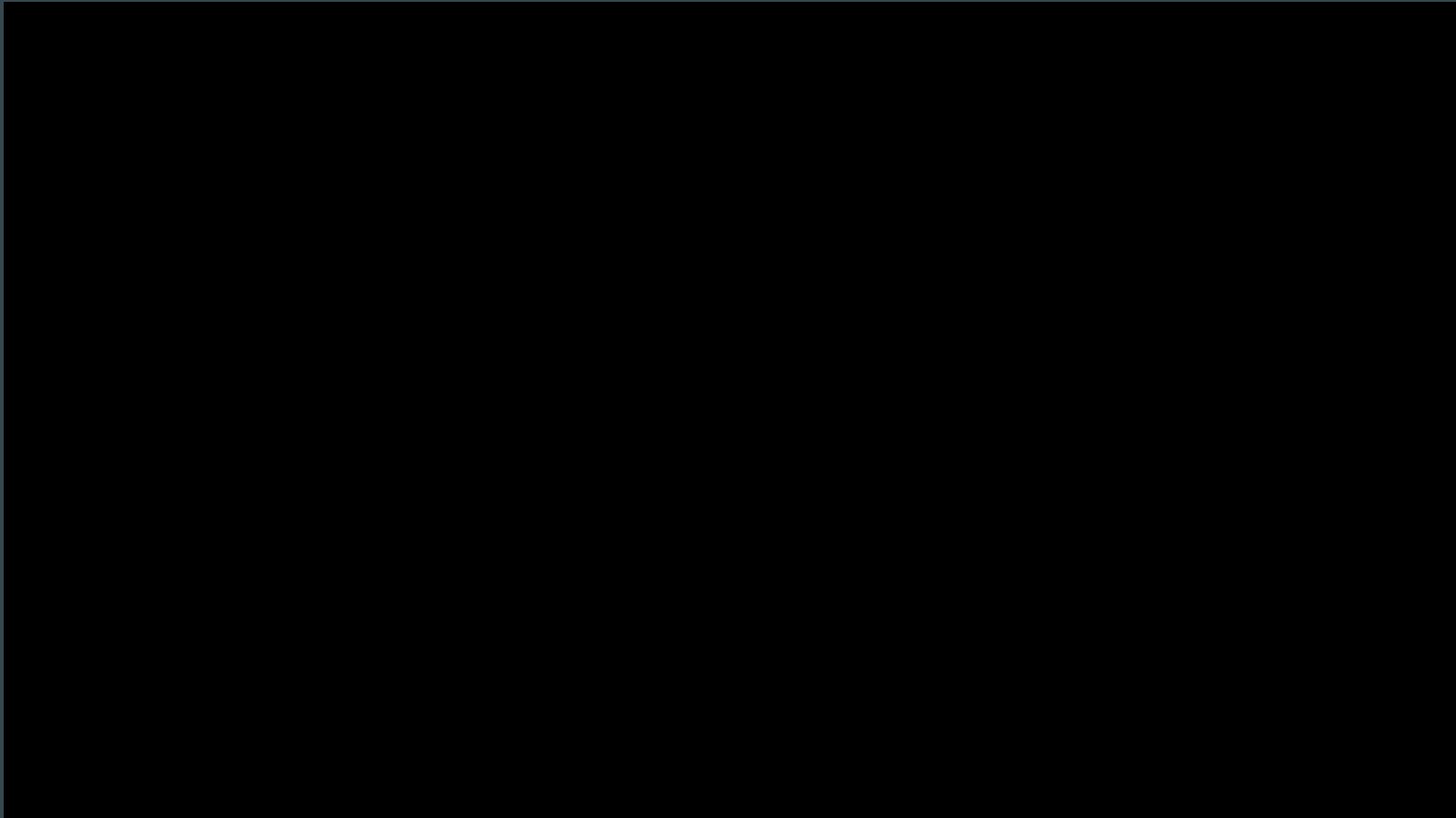


Hydrosphere (*short video clip*):





Atmosphere (*short video clip*):





It's all connected!

- All 4 earth spheres connect (work together) to form one Earth system
- Example: Animals in the biosphere depends on the water from the hydrosphere for drinking water to survive.
- What are some other examples?

The Four "Spheres" Symbols

Biosphere



Atmosphere



Geosphere



Hydrosphere























See you next week!