## Intro. to Environmental Earth Science



Counts for majors, minors, certificates, electives...

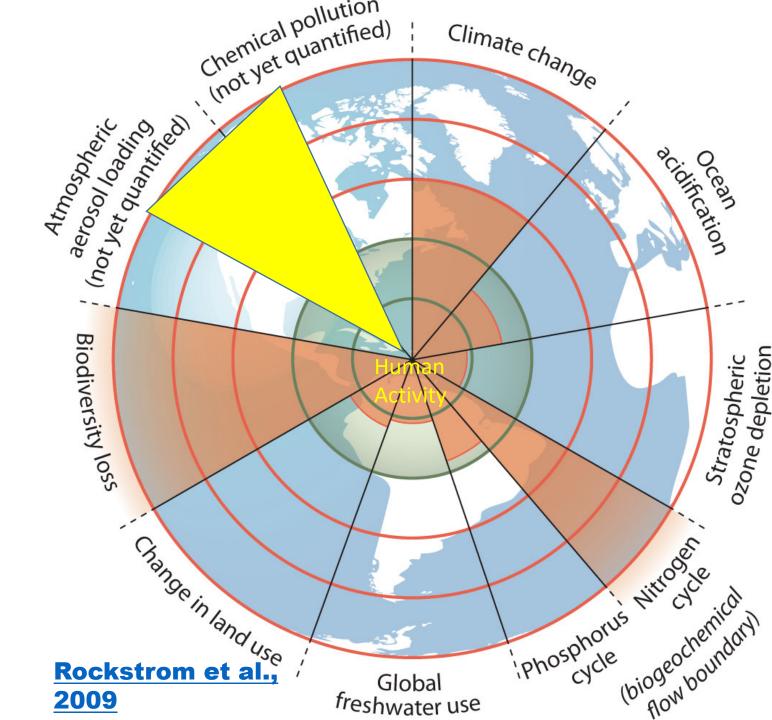


# 3 by 5 cards

- Name
- Major
- Hometown
- Fav. Band

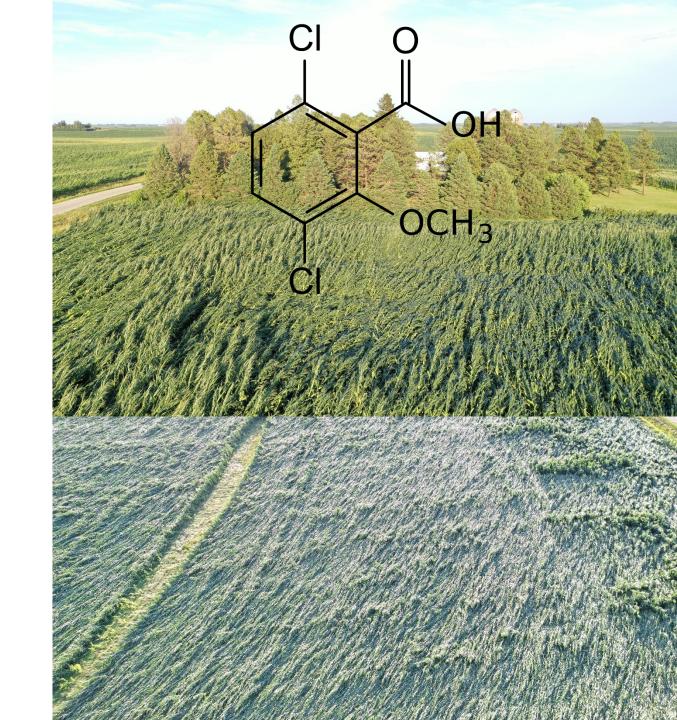
## Earth Systems Under Stress

## BioGeoChemistry

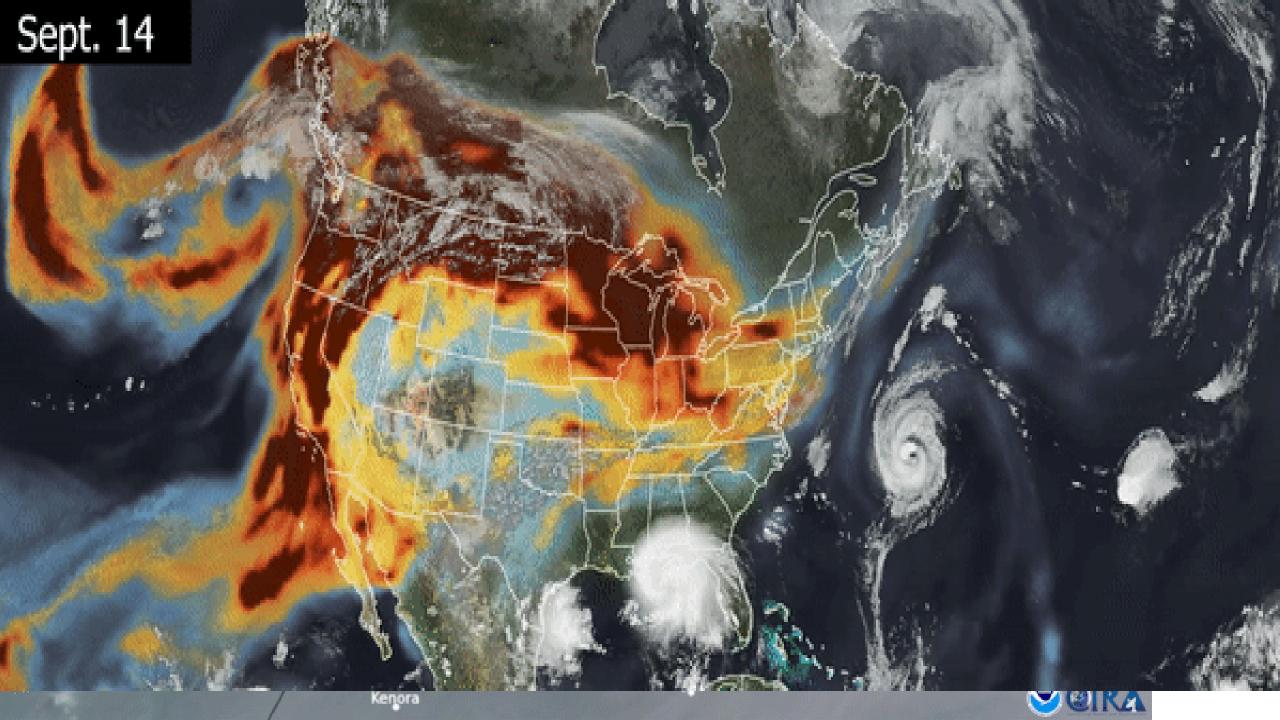


# Iowa's Air land and Water 2020

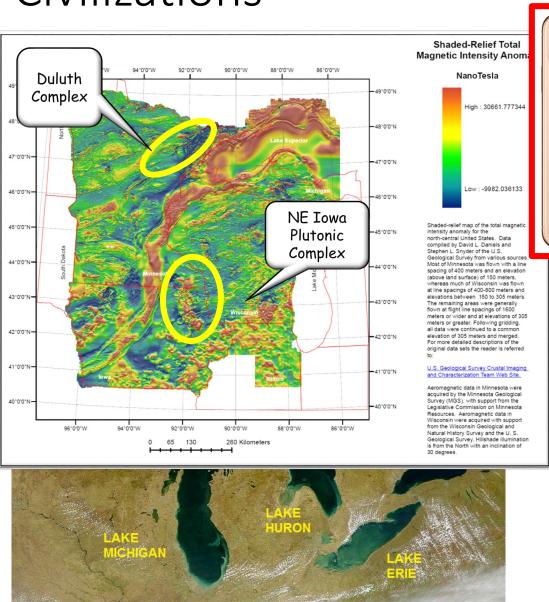
- Quadruple D Summer
- Derecho
- Drought
- Dicamba 2020: What went wrong in lowa?
  - Atmospheric Loading, Avg daily wind speeds







# Natural Resources and Civilizations





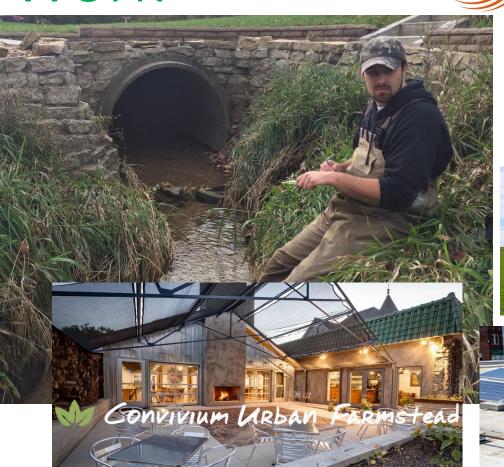
**Environmental** 

IMPACT/

Work















**Black Hawk Soil and Water** Conservation District





**TestAmerica** 

The Leader In Environmental Testing



Informed Citizens

Science

Education

Government

Religion

**Business** 

Health



# Moving Forward

- Work to stay positive
  - Resist anxiety & apathy
- Be active
- Start local move global
- Acknowledge and celebrate gender and cultural differences
- Never stop learning and communicating



# SUSTAINABLE GEALS DEVELOPMENT GEALS







































# You All

**Emma** 

Dawson

Andrew

Annalee

Sydney

Jessi

**Zachariah** 

Kaitlyn

Miranda

Kyler

**Anna** 

Elizabeth

**Damien** 

Yeo

Gejwan

Avery

Faith

Dre

Laikyn

### Robin Wall Kimmerer



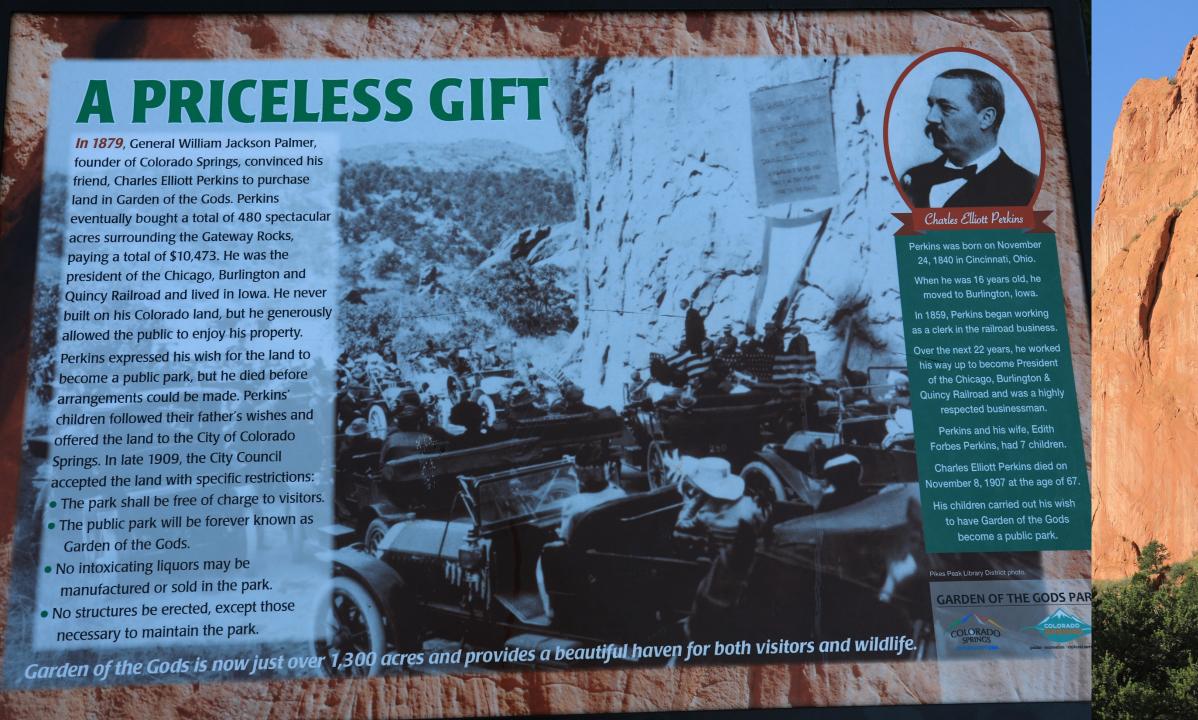


#### BRAIDING SWEETGRASS

INDIGENOUS WISDOM, SCIENTIFIC KNOWLEDGE, and the TEACHINGS of PLANTS

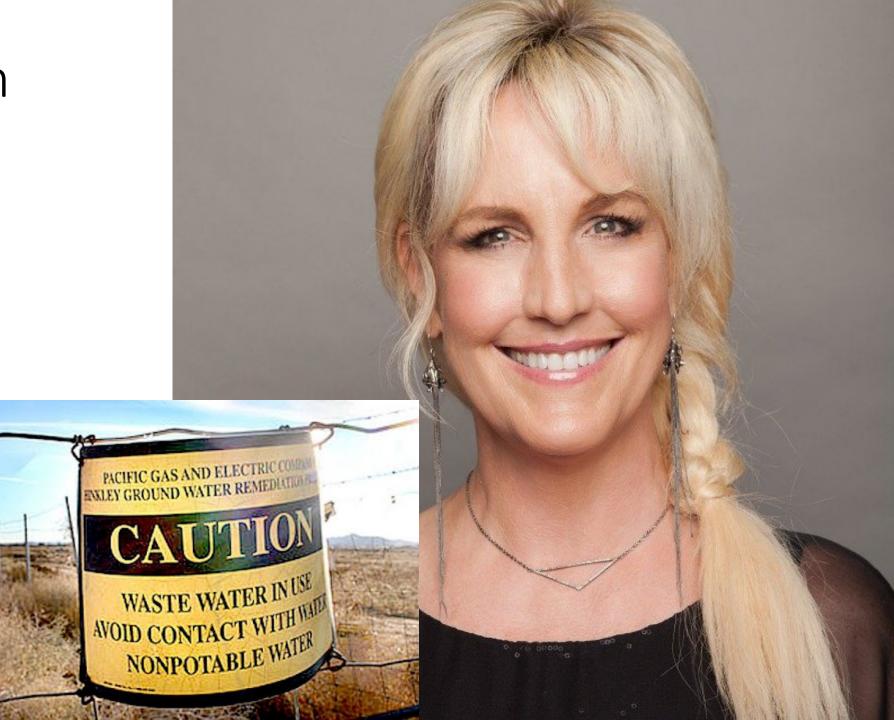
ROBIN WALL KIMMERER



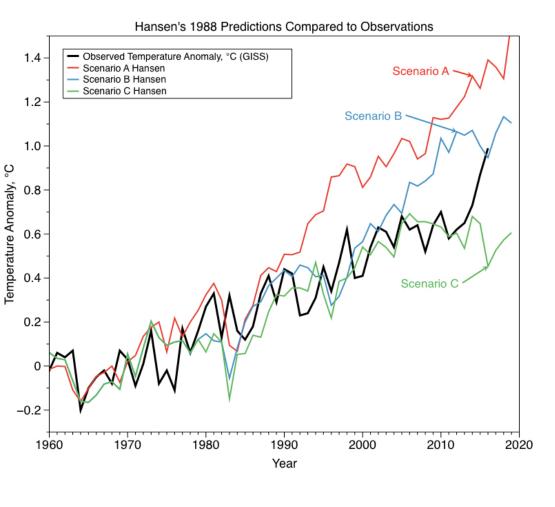


#### Erin Brockovich





#### James Hansen





# Greta Thunberg





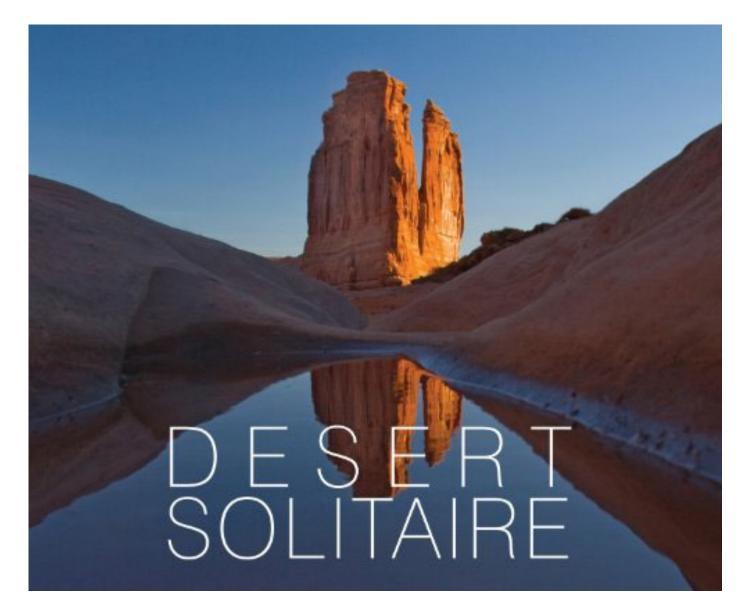


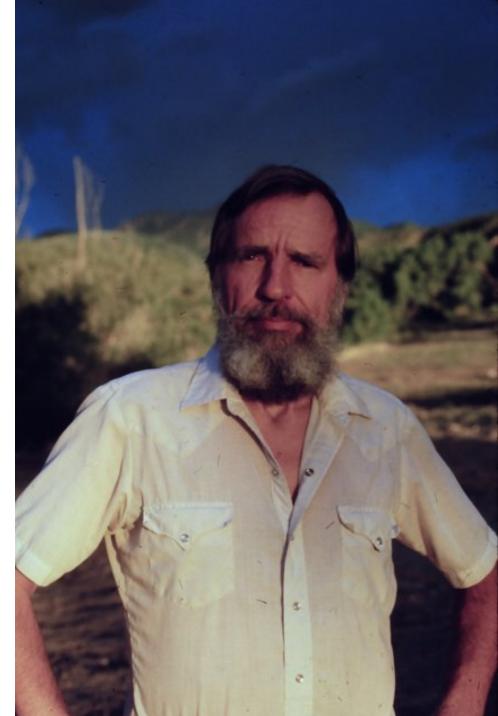
## Vandana Shiva





### Edward Abbey





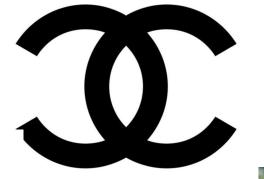




















1. Why do the Earth's rivers contain fresh water, while the oceans are salty?



3. What types/sources of energy are capable of producing change upon the Earth's surface?

2. How are the terms climate and weather similar and/or different?

4. Is soil the same as dirt?
Agriculture, how many types?

5. Where does your tap water come from, list what factors determine your drinking water's quality?





 https://csbs.uni.edu/certificatesustainability/sustainabilitycertificate-information-students

- Learn more
- Add value to your majors and/or minors
- Is sustainability the best way forward?