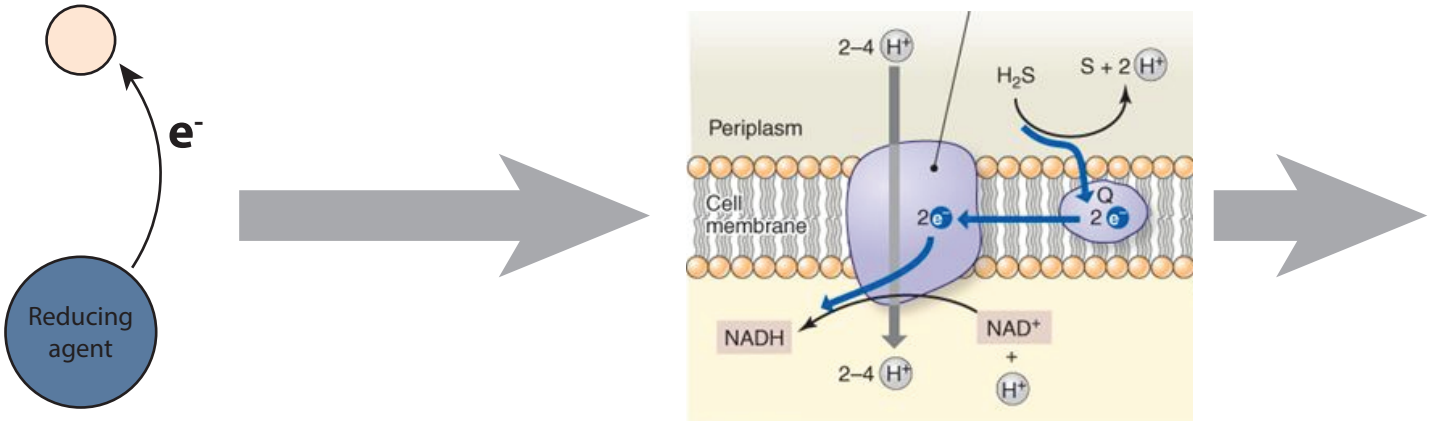
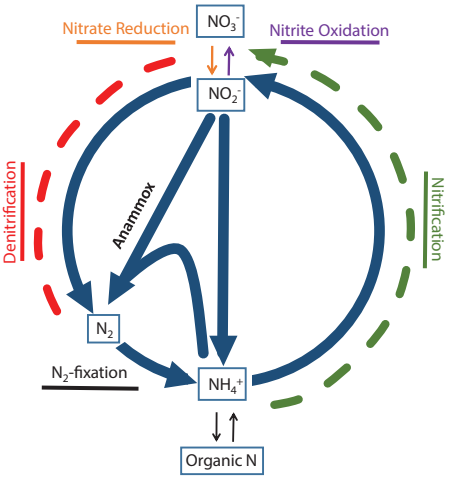
EARTH 413: Geomicrobiology
[Fall 2023, 4 credits & ULWR fulfillment]

From reduction-oxidation reactions... to how life acquires energy from these reactions...



... to how microbes interact with minerals and the environment...

... to how microbial metabolisms drive geochemical cycles on Earth.



Course Goals

- discover the diversity of microbial metabolisms
- connect metabolic redox reactions to environmental geochemistry and elemental cycles
- develop the ability to critically read primary literature in Earth & Environmental Sciences
- learn how to compose scientific abstracts and construct scientific proposals
- critically evaluate the science writing of your peers in 'review' panels

Mondays: Interactive Lectures
Wednesdays: Primary Literature Discussions
Fridays: Group Activities