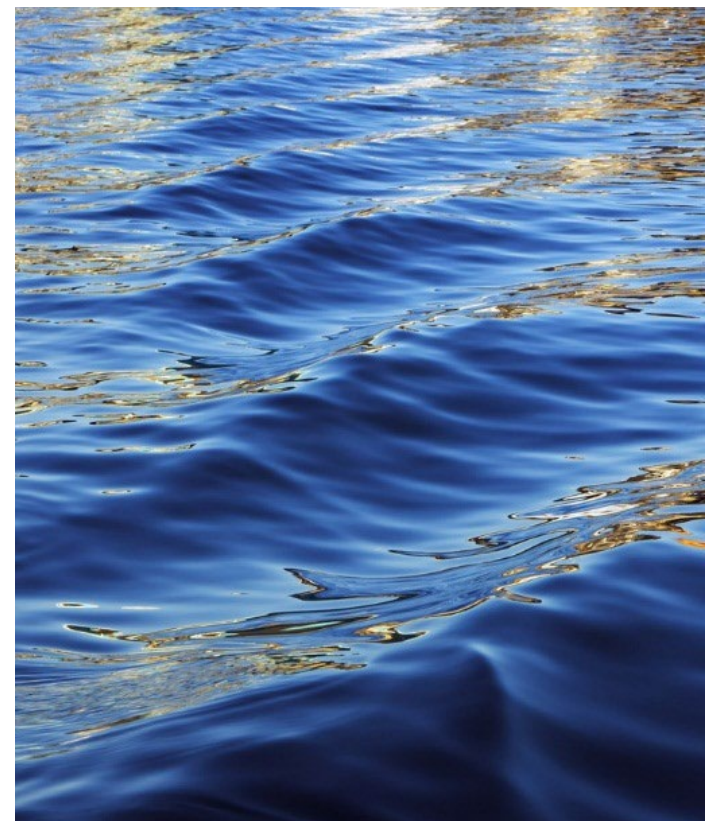




# Geochemistry of the Land

Spring 2023



# The syllabus

- Chemistry is important, but not the focus
- Safety, equipment, and operation tour
- Databases and management
- Sediment Analyses (e.g. Particle size)
- Heavy minerals and/or thin sections
- Machines

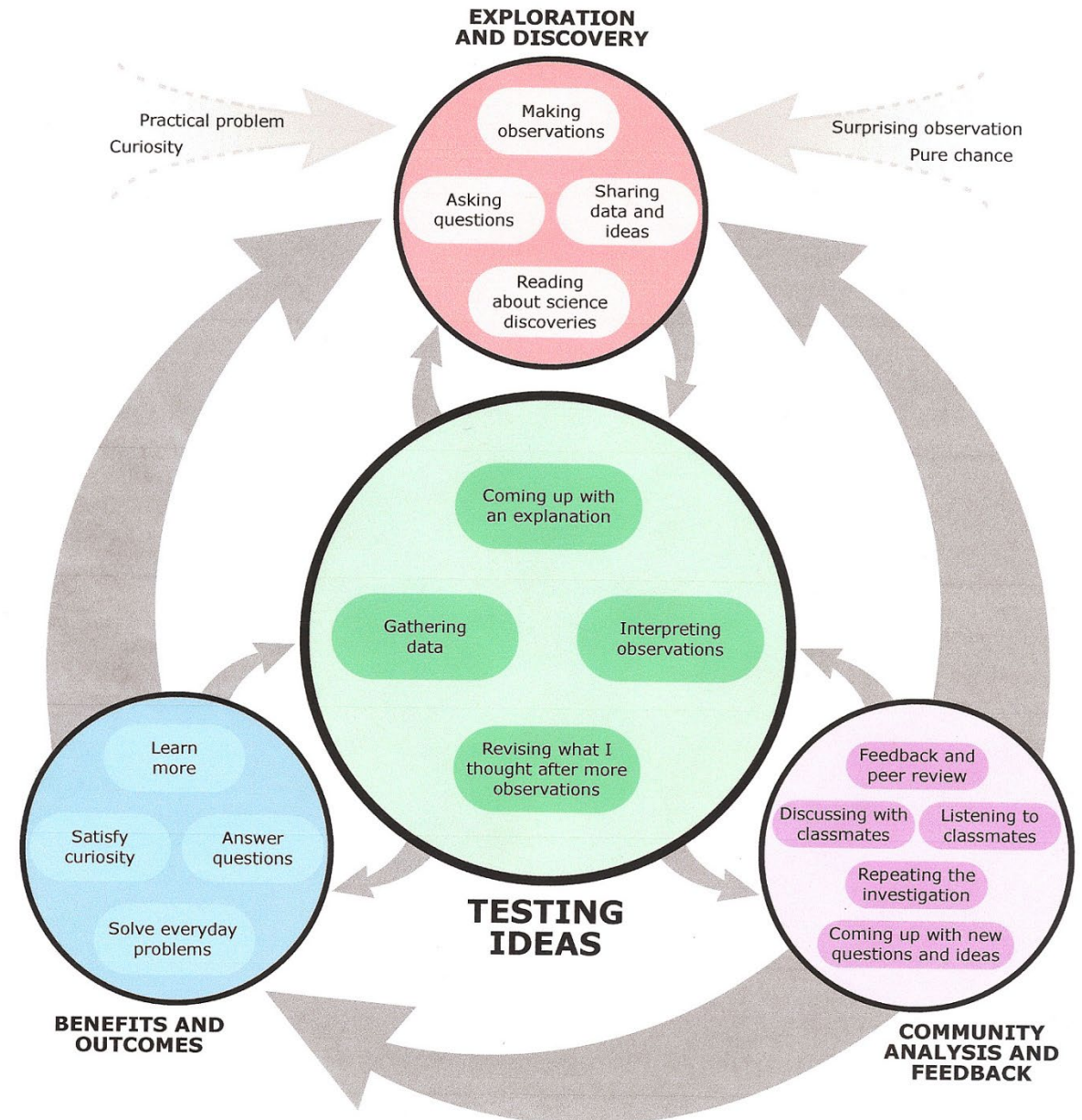
# Estimated Points

<i>Projected point distribution</i>	<i>Points</i>
Test 1	100
Test 2	100
Homework, Quizzes, Labs	300
<u>Final project/test</u>	<u>150</u>
TOTAL (projected)	650

# What is the purpose of lab work?

- A. Further understand field samples (characterization and classification)
  - 1. Increase lines of inquiry/data
  - 2. Continue to employ the scientific method
  
- B. Enhance interpretations of the natural world
  - 1. Confirm or refute field/initial interpretations
  - 2. Move from interpretation to application/mitigation
  
- C. Make a discovery
  - 1. New elements
  - 2. New applications

## Scientific Method



Are you Geochemically experienced?