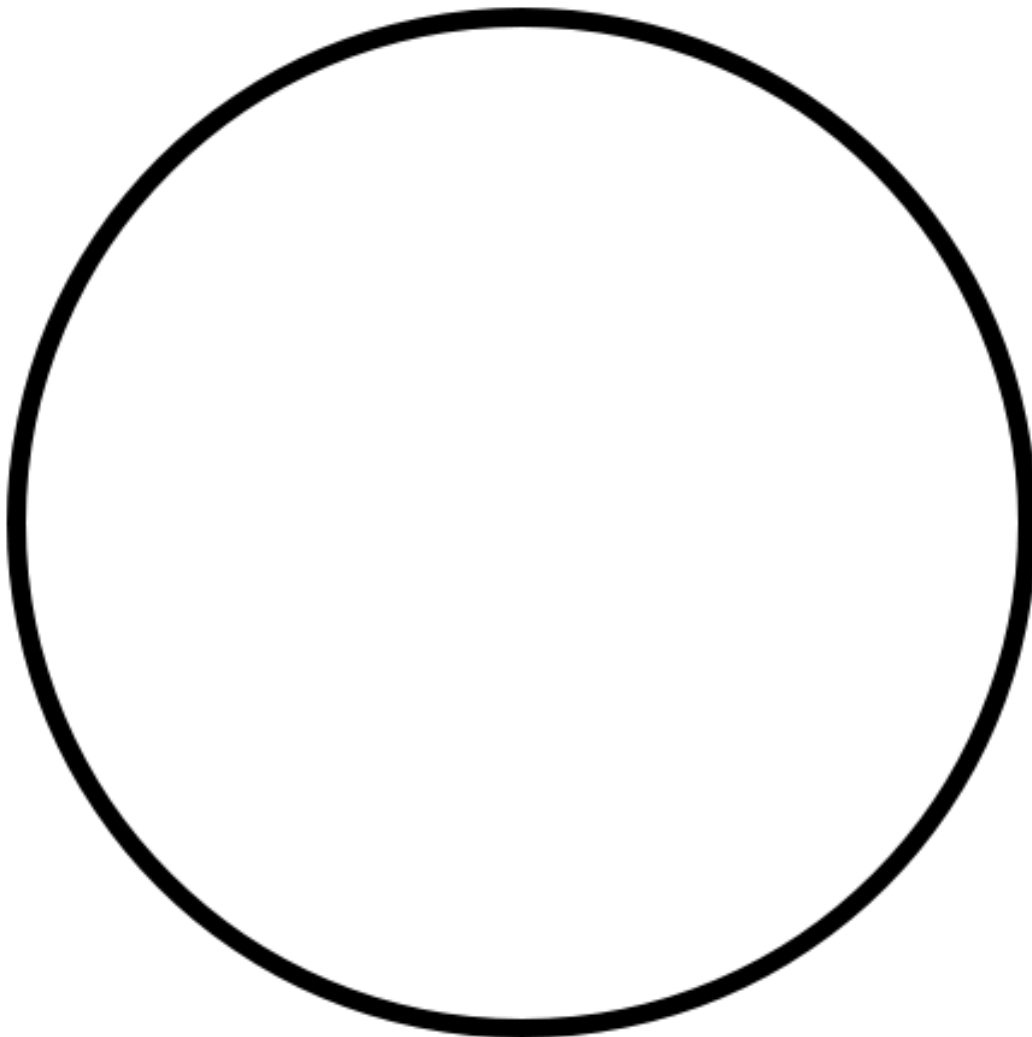


Data Interpretation and Analysis Sheet

1. Using graph paper, create a *bar graph* showing the number of mechanical and chemical impacts you found during the geologic field study. Using colored pencils, crayons, or markers, color code each bar showing the number of the specific types of impacts you found (erosion, oxidation, etc.). Be sure to include a key.
2. Using the circle below, create a *circle graph* showing the percentage of mechanical and chemical impacts you found during the geologic field study. Using colored pencils, crayons, or markers, color code each graph section showing the specific types of impacts you found (erosion, oxidation, etc.). Be sure to include a key.



Directions: Answer the questions below in complete sentences.

1. Did you find more mechanical or chemical impacts during the geologic field study? Why do you think this is? Explain your answer using evidence from the geologic field study.

Hint: Think about the role climate has on the rates of weathering.

2. Did you see examples of *all* of the types of mechanical and chemical impacts we discussed in class? Why or why not? Explain your answer using evidence from the geologic field study.

3. Provide a complete explanation of how the hydrologic and water cycles interact on Earth's surface. What affect do these cycles have on Earth's materials? Be sure to include evidence from the geologic field study.