



Name: \_\_\_\_\_ Date: \_\_\_\_\_ Class: \_\_\_\_\_

Title: Explore Albedo Values  
Teacher Sheet

1. Fill in the table with the data you collect. After filling in the data, calculate the range for each location by subtracting the lowest albedo value from the highest albedo

	Latitude	Longitude	Mar-16	Jun-16	Sep-16	Range
Mainland US						
Alaska						
Arctic						
Northern Canada						
Greenland						
Africa						

value.(Answers will vary.)

2. Which locations have the lowest range?

(Answers will vary. Accept reasonable responses. Generally, areas closer to the equator will have the lowest range.)

3. Which locations have the highest range?

(Answers will vary. Accept reasonable responses. Generally, the arctic will have a high range.)



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4. Areas with a higher range experience more change in albedo during the year. What do these areas have in common?

**(They are often areas near the poles.)**

5. Why do you think these areas experience changing albedo?

**(Snow and ice melt can cause changes in albedo.)**