Title: Explore Albedo Values
Student 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 value.

<table>
<thead>
<tr>
<th>Location</th>
<th>Latitude</th>
<th>Longitude</th>
<th>Mar-16</th>
<th>Jun-16</th>
<th>Sep-16</th>
<th>Range</th>
</tr>
</thead>
<tbody>
<tr>
<td>Mainland US</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Alaska</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Arctic</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Northern Canada</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Greenland</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Africa</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

2. Which locations have the lowest range?

____________________________________________________________________
____________________________________________________________________
____________________________________________________________________

3. Which locations have the highest range?

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

____________________________________________________________________
____________________________________________________________________
____________________________________________________________________

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

____________________________________________________________________
____________________________________________________________________
____________________________________________________________________