p. 120 in textbook

Albedo =

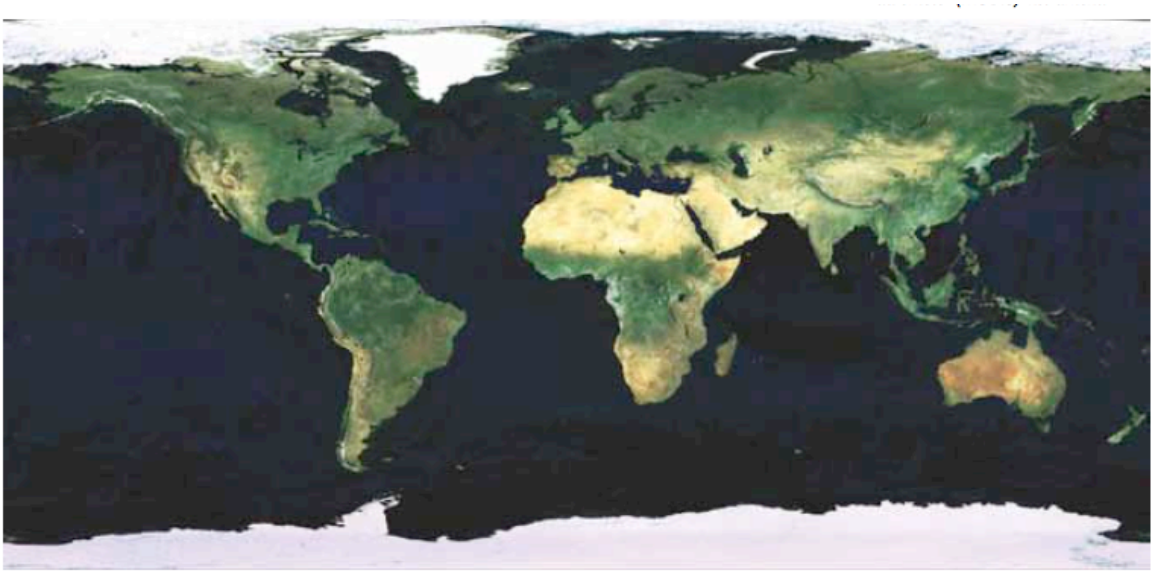
Albedo of 1 =

Albedo of 0 =

Think About It 1:

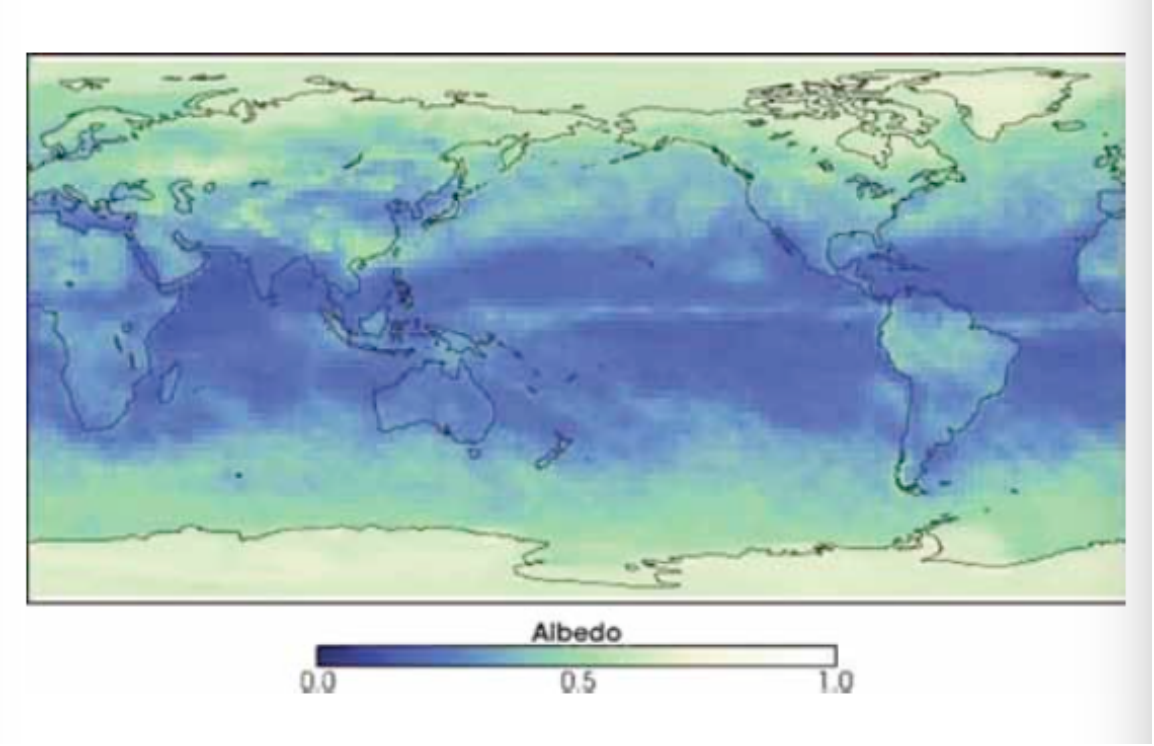
Record your hypothesis and the evidence that supports it.

Think About It 2:



Based on this image, make a list of various types of Earth's surface materials (including oceans and the polar areas) and rank them according to albedo (make it clear which has the highest albedo and which has the lowest).

Think About It 3:



Describe the patterns that you see in this image, and write your hypotheses about what causes these patterns.

Albedo Experiment

Materials available:

light sand, dark sand, temperature probe, computer with Logger Pro, light with 100-watt incandescent light bulb

What is changing (IV)?

What is result to be recorded (DV)?

Question:

Hypothesis:

Procedure:

IV:

Levels: 4

List Levels:

DV:

#Trials: 1 trial per sand color, temperature recorded every minute for 10 minutes

Constants:

Data:

Set-up a data table…

Graph:

Create 2 graphs to picture data collected on a Google sheet. Then screenshot or copy the graphs to a Google doc and **write a trend underneath the second graph only.**

1) Graph the sand color compared to temperature change

	Light Sand #1 (Corpus Christi)	Light Sand #2	Dark Sand #1	Dark Sand #2
0 minutes				
1 minute				
2 minutes				
3 minutes				
4 minutes				
5 minutes				
6 minutes				
7 minutes				
8 minutes				
9 minutes				
10 minutes				

2) Graph the sand color compared to overall temperature change. Temperature change is determined by taking the 10 minute number minus the 0 minute number.

Color of Sand	Temperature Change
Light Sand #1 (Corpus Christi)	
Light Sand #2 ( )	
Dark Sand #1 ( )	
Dark Sand #2 ( )	