1. What is remote sensing?

2. Under remote sensing what colors would the following areas generally appear?

Healthy vegetation =

Bare field =

Urban areas =

**In class Pair Share:** with a partner discuss the impact of globalization on agriculture. As a pair make a prediction on how agriculture in Latin America changed between 1973 and 2000. Write down your prediction below and state three reasons why you think your hypothesis is correct.

**Latin America – Human Geography in Action!**

1. Sonora, Mexico –

- Compare the Agricultural land use from 1973 to 2000 (use the Desert/ Fallow/ etc. to Agriculture): What do you notice about the change?

* In the Photos on the Ground what did you notice about the type of agriculture in Sonora and what production methods are being utilized? How could these pictures help explain the change from 73 – 00?

2. Guanajuato, Mexico –

- Compare the Agricultural land use from 1973 to 2000 (use the Desert/ Fallow/ etc. to Agriculture): What do you notice about the change?

* What type of agriculture is common in Bajio (this area of central Mexico) – (you can find this info by examining the photos on the ground)
* What is the area of change between Mixed Crop to Monocrop? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
* What is the area to change between Fallow to Agriculture? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
* How does this data/ photos help explain the agricultural change in Guanajuato?

3. Amazon Region, Ecuador -

- Compare the Agricultural land use from 1973 to 2000 (use the Desert/ Fallow/ etc. to Agriculture): What do you notice about the change?

* What are the areas that have been deforested in the photos being used for?
* How much space had been deforested in 1977? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
* How much space was deforested by 1996? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
* Wat was the area of change from 1977 – 1996? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
* How does these images and data help explain the agricultural land changes in Rainforest areas? What possible environmental impacts could these changes have on the region?

Based on your observations how do you think agriculture in Latin America changed between 1973 and 2000? Did it match your predictions?

**Agriculture and the impact of Climate Change:**

1. <https://www.nationalgeographic.com/climate-change/how-to-live-with-it/crops.html>

How does National Geographic predict that climate change will impact the production of crops in:

* The US:

* Latin America:
* Asia:

What are other ways that Climate change will impact the world?

2.<https://ucsusa.maps.arcgis.com/apps/MapSeries/index.html?appid=64b2cbd03a3d4b87aaddaf65f6b33332>

How will rising sea levels impact the US?

How will rising seas levels impact CT?

\*Impact on New England: <https://newengland.com/yankee-magazine/living/new-england-environment/rising-seas-our-land-our-sea-our-future/>