Article: The Ocean Acidification

Author/Source: Scott C. Doney

Major Ideas

- People thought that the amount of carbon we release in the air doesn't matter and that it will just be absorbed by the plants.
- Experiment was to pick spots to measure the amount of carbon dioxide in the air
- The carbon dioxide doesn't disappear it just stays there
- Carbon dioxide is about 30% more abundant than it was a few hundred years ago
- The ocean has absorbed about half the carbon dioxide that was in the air since the industrial revolution
- In 16 years the South Atlantic have higher carbon concentrations today than it did in the past

Summary:

The authors main point is that that we have made a huge impact in the amount of carbon dioxide we have released in the air. Also that all this carbon dioxide has done more impact to the ocean than we thought. People thought that the ocean won't absorb it because its just water, but it absorbs most of what we release. Not only is the ocean absorbing the carbon dioxide but its affecting the fish and phytoplankton it's to acidic for them. In conclusion the amount of carbon dioxide we are releasing in the air is making the ocean more acidic and fish can't survive.

My own thoughts:

My thought of this article is that we have affected the ocean to much and we haven't done anything about it. Also we need to watch and control the amount of carbon dioxide we are realising because and ocean has a great role in the environment and without it our planet won't last.

So What?	**Says Who?**
When carbon dioxide enters the ocean it turns into acid and it destroys the shells of phytoplankton wich are very important for the ecosystem.	Scientist who have been analyzing the ocean for many years.

What If?	**What does this remind me of?**
If we reduce the amount of carbon dioxide we release, then we will give fish time to adapt to the acidity level of the ocean.	This reminds me of the ocean acidification lab we did in class.