



- Due to an increase in greenhouse gasses the global temperature is increasing, and the climate is shifting
- This shift can be directly related to human activities



- It is a natural cycle
- Humans are not contributing to it
- 'It cant be global warming it was freezing this winter!'

My Formative Assessment

- Students were given the following questions 3 times; and also asked to have a friend or family member answer them
 - What is global climate change
 - Is it the same thing as global warming? Why or why not?
 - What is the cause of climate change?
 - What can we do to help address climate change?

Assessment #1

Positives

- Students had ideas as to how to address the problem
- Students had a rough idea of what climate change was
- Students agreed that climate change exists

Negatives

- Students' ideas for change are too large or too broad
- Lots of confusion on the cause
- Lots of confusion
 thinking climate
 change and global
 warming are the same

Assessment #2

Positives

- 100% students showing a difference between climate change and global warming
- More specific answers

Negatives

- Climate change not due to humans
- Still incomplete or less than perfect answers in the 'what could be done' section

Assessment # 3

Positives

- 100% responses indicating a difference between climate change and global warming
- Most know how they are different
- Identification of greenhouse gases
- More specific ways to help

Negatives

- Some students still confused on why global climate change and global warming are different
- Some students have difficulty accepting how much of it is human's responsibility still

Reflections on my Practice

- Value of formative assessment REAFFIRMED
- That you can't always predict students' misconceptions
- The importance of reading and evaluating formative assessments
- There is a HUGE benefit in asking a friend/ family member to answer questions about the class; forcing students to discuss what they learn outside of class

Learning

- I loved to be able to reflect as I went; changing my daily instruction based off their misconceptions
- Its important to remember however long you've been teaching or however many degrees you have you can always learn!