

April 2, 2015

## Warm-Up

Today you will need your notebook and pencil.  
 Homework Page due Tomorrow.  
 Computer Lab Tomorrow!

- Review: How can volcanic eruptions affect Earth's climate?

# COMPUTER LAB TOMORROW!

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**Volcanic dust/gases blocks incoming solar radiation and lowers global temperatures.**

## Climate Change and Us

- Pre-survey
- 8 Groups:
  - Each group will read a different article
  - Answer questions about your article
  - Present a summary of your article's key points to the class on the overhead page
- Post-Survey

## Pre-Survey

- Record your initial thoughts to the climate change quiz in the **Pre-Quiz** column

### Climate Change Quiz

For each of the following statements circle whether you think it is true or false. After reading articles on climate change you will review these statements again and see if your answers have changed.

	Pre-quiz		Post-quiz
1. Warmer temperatures will lead to increased food supplies due to longer growing seasons.	T F		T F
2. Warmer temperatures are NOT responsible for the recent increased severity of hurricanes.	T F		T F
3. Warmer temperatures are causing Arctic sea ice to melt, which is	T F		T F

- Loss of land ice, NOT sea ice contributes to rising levels.

Example of Sea Ice Melting

Meters

Thickness of the ice for the period 1958-1976: 3 meters

Thickness of the ice for the period 1993-1997: 1.9 meters

- 1.1 meter volume down by 40%

All regions together

Arctic sea ice volume has decreased by 40% as compared with volumes three to four decades ago.

Courtesy GRIDA/UNEP