Warm-Up
March 11, 2015

Today you will need your notebook and pencil.
HW due Friday. Test on Friday.

- Think About It:
  How do you think ground lightning forms?

Formation of Lightning

- Within the cloud, bits of ice bump into each other creating an electrical charge.
- Lightning happens when the negative charges (electrons) in the bottom of the cloud are attracted to the positive charges (protons) in the ground.

Thunder Demonstration

- Can Crush!

Formation of Thunder

- Thunder is caused by lightning.
  
- A lightning bolt travels from the cloud to the ground. It opens up a little hole in the air, called a channel.
  
- Once the light is gone, the air collapses back in and creates a sound wave that we hear as thunder.

Thunderstorms

- 1. What is the difference between an air-mass thunderstorm and a frontal thunderstorm?
  
- Air mass: Air rose because of unequal heating of Earth’s surface.
  
- Frontal: When advancing cold fronts pushes warm air rapidly upward.

Storms
March 11, 2015
Reading Activity

• Keep an eye out for homework answers as you read today's two articles! It does not matter which article you choose to read first.

• Article 1:
  Typhoon, Hurricane, Cyclone: What's the Difference?

• Article 2:
  Do Scores of Tornadoes Slamming Midwest Redefine "Tornado Alley"?

Movie!

• Megastorm Aftermath: Investigating Hurricane Sandy

In your notebook:

• 1. What is one thing you found interesting in the movie?

• 2. What are two things you learned from the movie?