

March 11, 2015

Warm-Up

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

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

Storms

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Formation of Lightening

Homework

- 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

Homework

- 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 then light is gone, the air collapses back in and creates a sound wave that we hear as thunder.

Thunderstorms

Homework

- **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

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?