

## EarthComm Earth's Fluid Spheres: Weather and Your Community Activity 5

### This investigation will help you to:

- What is Lightning?
- What is Thunder?
- Lightning Safety Tips
- To complete the investigation, each student group will need:
- To learn more about lightning, visit the following web sites:

#### What is Lightning?

- "A Lightning Primer" - Global Hydrology and Climate Center - NASA  
Reviews characteristics of lightning and looks at the history of lightning research.
- "Lightning Safety" - National Weather Service - NOAA  
Site reviews the hazards associated with thunderstorms, including winds, rain, hail, and lightning. Also reviews the development of thunderstorms, where thunderstorms are likely to occur, and how to remain safe during a thunderstorm.
- "Lightning Safety" - National Weather Service - NOAA  
Answers basic FAQ about lightning, including what causes it, what dangers are associated with it, and more.

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#### What is Thunder?

- "All About Thunderstorms and Lightning" - National Weather Service - NOAA  
Answers basic FAQ about thunder and lightning, including what causes them, what dangers are associated with them, and more.
- "Severe Thunderstorm" - Red Cross  
Site reviews the hazards associated with thunderstorms, including winds, rain, hail, and lightning. Also reviews the development of thunderstorms, where thunderstorms are likely to occur, and how to remain safe during a thunderstorm.

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#### Lightning Safety Tips

- "Thunderstorm and Camping Safety Tips" - National Severe Storm Laboratory - NOAA  
Includes tips on protecting yourself from lightning strikes while in the outdoors hiking or camping.
- National Lightning Safety Institute

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To complete the investigation, each student group will need:

- Copies of outline map of the US w/ state borders.
- Internet access (or copies of recent lightning strike data):  
To view lightning strike maps, visit the SPC Severe Weather Events Archive web site from NOAA.

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