

# Extreme Weather!!

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Use the following website to answer these questions: <http://eo.ucar.edu/webweather/index.html>

## Hurricanes

1. How fast can do hurricanes move over the open ocean? \_\_\_\_\_
2. What direction do the winds blow around the eye in the northern hemisphere? The southern hemisphere?  
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3. What five things are needed to create a hurricane?  
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\_\_\_\_\_
4. What important job do hurricanes do for the Earth?  
\_\_\_\_\_
5. Between what latitudes do hurricanes usually form? \_\_\_\_\_
6. What are the typical start and end dates for hurricane season in the North Atlantic?  
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7. What is another name for a hurricane? \_\_\_\_\_
8. Explain what storm surge is. \_\_\_\_\_  
\_\_\_\_\_

## Thunderstorms

1. What are the two main ingredients for thunderstorm formation? \_\_\_\_\_
2. Identify and describe the three main types of thunderstorms. \_\_\_\_\_  
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3. What is a squall line? \_\_\_\_\_

4. Describe a super cell thunderstorm. \_\_\_\_\_  
\_\_\_\_\_
5. What can form off of a super cell thunderstorm? \_\_\_\_\_
6. Describe what is needed to happen in the atmosphere to form lightning. \_\_\_\_\_  
\_\_\_\_\_
7. Which state has the highest number of thunderstorms per year? \_\_\_\_\_

### **Tornadoes**

1. What is the average number of tornadoes in North Carolina per year? \_\_\_\_\_
2. Which state has the highest number of tornadoes per year? \_\_\_\_\_
3. Why do so many tornadoes form in the south central plains of North America?  
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4. How do scientists think tornadoes form? \_\_\_\_\_  
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