**Severe Weather**

**Thunderstorms**

* **\_\_\_\_\_\_\_\_\_\_\_\_\_ are a usually brief, heavy storm that consists of \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.**
* **Thunderstorms can occur along \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_, but only require warm and moist air near Earth’s surface and an unstable atmosphere.**
* **An \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ atmosphere occurs when the surrounding air is \_\_\_\_\_\_\_\_\_than the rising air mass.**
* **When the rising air reaches its \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_, the water vapor in the air condenses to form dark \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_clouds.**
* **Lightning**
  + **Lightning is an \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ that takes place between two \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ charged surfaces, such as between a cloud and the ground, between two clouds, or between two parts of the same cloud.**
* **Thunder**
  + **Thunder is the sound caused by the \_\_\_\_\_\_\_\_\_\_\_\_\_**

**\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ along an electrical strike.**

* + **Like a balloon popping**
* **Severe Thunderstorms**
  + **\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_thunderstorms can produce one or more of the following conditions: \_\_\_\_\_\_\_\_\_\_\_\_\_**

**\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.**

**Tornadoes**

* **A destructive, \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ that has very high \_\_\_\_\_\_\_speeds, is visible as a \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ cloud, and touches \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.**
* **1% of all \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ have a tornado.**
* **The average tornado has wind speeds between**

**\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.**

**Severe Weather (cont.)**

**Hurricanes**

* **A severe storm that develops over \_\_\_\_\_\_\_\_\_\_\_\_\_**

**\_\_\_\_\_\_\_\_\_ and whose strong winds of more than**

**\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ spiral in toward the intensely \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ storm center.**

* **At the center of the hurricane is the \_\_\_\_\_\_\_\_\_\_\_\_\_, which is a core of warm, relatively calm air with low pressure and light winds.**
* **Hurricanes can vary in size from 160 to 1,500km and can travel thousands of kilometers.**
* **Hurricanes get their energy from the \_\_\_\_\_\_\_\_\_\_\_\_\_**

**\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.**

* **Moisture is added to the air through evaporation from warm water which eventually condenses and gives the hurricane \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.**

**Severe Weather Safety**

* **Tornado**
  + - **\_\_\_\_\_\_\_\_\_\_\_- an alert that a tornado may happen**
    - **\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_- a tornado has been spotted**
    - **Go to a basement/cellar or a \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ in the center of the building; outside lay in a deep ditch**
* **Flood**
  + - **Find a \_\_\_\_\_\_\_\_\_\_\_\_\_ place to wait out the flood; stay out of \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.**
* **Hurricane**
  + - **Have a \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_, evacuate if necessary, cover windows with plywood**
* **Thunderstorm Safety**
  + - **Stay away from \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.**
    - **If you are outside stay away from \_\_\_\_\_\_\_\_\_\_\_\_\_\_ and crouch down**