

## Weather Internet Scavenger Hunt

Name \_\_\_\_\_

Visit the **weather sites** at the **Kid Zone** at <http://sciencespot.net/> to find the answers to these weather questions.

### Site: Snow Crystals – Go to Snowflake Primer

1. What forms snow crystals: water droplets or water vapor? Explain. \_\_\_\_\_  
\_\_\_\_\_
2. What is the simplest type of snowflake? \_\_\_\_\_
3. How does a snowflake form? Give a brief description of its life cycle. \_\_\_\_\_  
\_\_\_\_\_

### Site: PSC Clouds

1. What do we call high altitude clouds? \_\_\_\_\_
2. What shape is associated with lenticular clouds? \_\_\_\_\_
3. What are contrails? How do they form? \_\_\_\_\_  
\_\_\_\_\_

### Site: NOVA – Hunt for the Super Twister

1. What scale is used to rate tornadoes? \_\_\_\_\_

2. Click the link to “Launch Interactive” and assign a rating to each scene. Record the number of times you used each rating in the chart.

F0	F1	F2	F3	F4	F5

### Site: Weather Stats

1. Where was the highest temperature recorded in North America? What was it?  
\_\_\_\_\_ °F or \_\_\_\_\_ °C
2. Where was the coldest temperature recorded in Illinois? What was it?  
\_\_\_\_\_ °F or \_\_\_\_\_ °C
3. What location holds the record for the highest average annual rainfall? How much rain does it receive?  
\_\_\_\_\_ in or \_\_\_\_\_ mm



**Site: Weather Wiz Kids**

1. Complete: A thunderstorm is a storm with \_\_\_\_\_ and \_\_\_\_\_. The basic ingredients used to make a thunderstorm are \_\_\_\_\_, unstable \_\_\_\_\_ and \_\_\_\_\_. They are most likely to happen in the \_\_\_\_\_ and \_\_\_\_\_ months and during the \_\_\_\_\_ and \_\_\_\_\_ hours. It is estimated that there are around \_\_\_\_\_ thunderstorms that occur across our planet every day.

2. Describe 3 different types of lightning.

\_\_\_\_\_ - \_\_\_\_\_  
\_\_\_\_\_ - \_\_\_\_\_  
\_\_\_\_\_ - \_\_\_\_\_

3. Complete: Wind is \_\_\_\_\_ in \_\_\_\_\_. It is produced by the uneven \_\_\_\_\_ of the earth's surface by the \_\_\_\_\_. Two factors are necessary to specify wind: \_\_\_\_\_ and \_\_\_\_\_. The \_\_\_\_\_ Scale is used to measure wind power.

4. Click the link for Optical Illusions for these questions.

What is a sundog? \_\_\_\_\_

What causes a mirage? Give an example of a mirage. \_\_\_\_\_

\_\_\_\_\_

What three conditions must be met in order for you to see a rainbow? \_\_\_\_\_

\_\_\_\_\_

**Site: Weather Dude**

1. What is the Weather Dude's name? \_\_\_\_\_

2. What can be found on the Musical Meteorology page? \_\_\_\_\_

3. Go to the Weather Sayings (Folklore) page. Find each statement and explain what it means in your own words.

*"Red Sky at night, sailor's delight. Red sky in the morning, sailor take warning."* \_\_\_\_\_

\_\_\_\_\_

*"Halo around the sun or moon, rain or snow soon."* \_\_\_\_\_

\_\_\_\_\_

*"Mare's tails and mackerel scales make tall ships take in their sails."* \_\_\_\_\_

\_\_\_\_\_