

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." _____
