Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Date: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Lab Partner(s): \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

LAB: CLOUDY WITH A CHANCE OF MEATBALLS

**Introduction:** Okay, so it’s not going to rain meatballs, but there is a chance of precipitation. You will make a rain gauge and record the temperature once a day for the next week.

**Experimental Question:** How much precipitation will Port Jefferson receive in the next 7 days?

**Hypothesis: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**Materials:**  thermometer, glass jar, permanent marker, tape, ruler

**Procedure:**

**Recording Temperature:**

**1.**

**2.**

**Recording Precipitation:**

**1.**

**2.**

**3.**

**4.**

**5.**

**6.**

**Data:**

|  |  |  |
| --- | --- | --- |
| **Day** | **Fahrenheit** | **Celcius** |
|  |  |  |
|  |  |  |
|  |  |  |
|  |  |  |
|  |  |  |
|  |  |  |
|  |  |  |

|  |  |  |
| --- | --- | --- |
| **Day** | **Total amount of precipitation (cm)** | **New precipitation** |
|  |  |  |
|  |  |  |
|  |  |  |
|  |  |  |
|  |  |  |
|  |  |  |
|  |  |  |

How would you find this?

**Analysis:**

Graph the temperatures (°C) and precipitation amounts (cm) on 2 different line graphs.

Make sure your graphs have a title, 2 labeled axis, and proper points.

**Conclusion:**

1. What instrument would a meteorologist use to measure the following:

Temperature: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Air Pressure: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Amount of precipitation: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

1. What is the most severe tornado? \_\_\_\_\_\_\_\_
2. What results from differences in air pressure?\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
3. What should you do in a severe thunderstorm?
4. What type of weather is common with a stationary front?