**Lab # Cloud Formation to Forecast weather**

 Name and Partners: Date:

Purpose: to forecast the weather by observing the height at which clouds form the sky and the type of clouds formed stratus, cirrus, nimbus, and cumulus

Hypothesis: I can predict that the weather conditions will be \_\_\_\_\_\_\_\_\_\_\_ over the next by observing cloud formations in the sky.

Materials:

-paper -pencil

-science text book -pencil crayons

-cloud classification

Procedure:

1. Go outside and sit where you can observe the clouds in the sky.
2. Sketch the sky and all the clouds you see on paper.
3. Write down the date, temperature, classify the clouds (as cumulus, cirrus, stratus, or other, ) and make a prediction of short term weather patterns based on your cloud observations.
4. Colour the sky and clouds
5. Write detailed observations and record the clouds in the sky and the weather conditions. What weather conditions can you predict based on the types of clouds in the sky

**Observations:**

**Date: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

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

**Cloud type(s):\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**Colour &**

**shape of clouds:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**24 hour Prediction: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**Date: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

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

**Cloud type(s):\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**Colour &**

**shape of clouds:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**24 hour Prediction: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**Date: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

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

**Cloud type(s):\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**Colour &**

**shape of clouds:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**24 hour Prediction: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**Summary of observations**:

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**Conclusion**: