

## Student Worksheet #2: Partly Cloudy Skies?

Name:

Go to the Weather Wiz website to answer the questions and complete the cloud chart: <http://weatherwizkids.com/cloud.htm>. Read the cloud information with your group to answer the questions and complete the Cloud Chart:

### Part 1:

- List the steps of a cloud's formation (you may want to go to the "Climate" link in the left navigation bar of the "Clouds" for an explanation and diagram about the Earth's Water Cycle):
- Explain how "condensation" and clouds are alike:
- One of your friends has just learned about clouds and insists that clouds do not float or move. Is your friend right or wrong? Write an explanation that supports your answer:
- Describe how fog forms:
- Have you ever wondered how jet airplanes make those white streaks across the sky? These are called "contrails". Complete the paragraph below:

Contrails form from \_\_\_\_\_ just as clouds do. The hot, \_\_\_\_\_ air of the jet's exhaust, environmental air of low pressure, and low \_\_\_\_\_ mix to form these white streaks in the sky. What causes these things to mix?

[Click here for printable versions of all student worksheets and data observation charts](#)

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### Part 2: CLOUD CHART

CLOUD TYPE	COLORS?	HIGH? MIDDLE? LOW?	WEATHER?
Altostratus			
Cirrocumulus			

Cirrostratus			
Cirrus			
Cumulonimbus			
Cumulus			
Stratocumulus			
Nimbostratus			
Stratus			

If there is time, go to <http://archive.globe.gov/sda-bin/m2h?gl/clouds.men> to view a slide show of cloud types and then take the online quiz.