



## Activity 6: Clouds of Many Kinds

*What are the types of clouds and how can they help me to predict the weather?*

### Resources

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- **BrainPop Video: Clouds**

Follow the link and use the following information to login:

Username: 0099

Password: students

- **Scholastic Review Jam: Clouds and Precipitation**

<http://studyjams.scholastic.com/studyjams/jams/science/weather-and-climate/clouds-and-precipitation.htm>

- **Cloud Types**

<https://www.youtube.com/watch?v=FMagDRCpJ14>

- **Ducksters: Cloud Types**

[http://www.ducksters.com/science/earth\\_science/clouds.php](http://www.ducksters.com/science/earth_science/clouds.php)

- **Weather Watch Observe: Track Clouds in the Sky**

[http://teacher.scholastic.com/activities/wwatch/observe\\_step1.htm](http://teacher.scholastic.com/activities/wwatch/observe_step1.htm)

- **Tree House Weather Kids: Clouds**

<http://extension.illinois.edu/treehouse/clouds.cfm?Slide=5>

- **Weather WizKids: Clouds**

<http://www.weatherwizkids.com/weather-clouds.htm>

- **Web Weather for Kids: Clouds**

<https://scied.ucar.edu/webweather/clouds>

- **NASA: Unscramble the Clouds**

<https://spaceplace.nasa.gov/cloud-scramble/en/>

### Instructions

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1. Construct a "Cloud Type Organizer" on your computer, using Google Drawing Doc or on paper.

You will use this drawing document to organize all the cloud types into groups. As you do the following steps, you will learn about the cloud types. Then, you can add to and modify

your drawing document until you are satisfied with your "Cloud Type Organizer". Here is an example of how you might start your organizer<sup>2</sup>. Watch the video: **Brain Pop Clouds**. Login information is on the previous page.

3. Visit the webpage **Weather Watch Observe: Track Clouds in the Sky**. Read the information about the types of clouds.

4. Visit the website: **Tree House Weather Kids: Clouds**. If you are taken to the main page, click on the big blue arrow, then keep on clicking the "Next" button until you reach information on clouds. Listen to and read all the information about the types of clouds.

5. Visit the webpage: **Weather WizKids: Clouds**. Read the information about the types of clouds.

6. Visit the website: **Web Weather for Kids: Cloud Types**. There are several things to do at this website:

- Study the diagram of the common types of clouds in the troposphere.
- Click each link for Low Clouds, Middle Clouds, High Clouds, and Clouds with Vertical Development.
- Click the "Cloud Matching Game!" link at the bottom of the page, and play the game to test your knowledge of cloud types.

7. Visit the webpage: **NASA: Unscramble the Clouds**. This page has a scrambled picture of clouds. Drag the pieces of the cloud image around until you have completed the cloud picture.

When you have succeeded, click the "New Picture" button. Then, unscramble the picture again.

Keep repeating this until you have unscrambled all the cloud images.

