



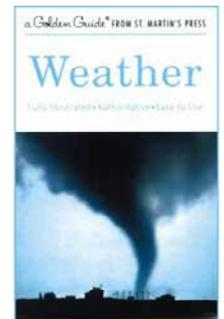
## LOOK UP: UNLOCK THE SECRETS OF CLOUDS

### Question for kids: How do clouds help us predict the weather?

Take a little time to watch the sky this spring. You'll see huge, towering white clouds that look like giant ice cream cones, and you'll see thin lines of rippling clouds, like the waves in the ocean. Why are there different shapes? Do they mean it's going to rain? You're about to find out...

### MATERIALS FOR THIS ACTIVITY:

- [Cloud Chart](#)
- [Mini Weather Station](#)
- [Weather Golden Guide](#) (Optional)



WHAT IT TAKES



### FOLLOW THIS EASY, STEP-BY-STEP ACTIVITY

In this activity, kids learn they can predict the weather just by observing the clouds and wind direction, like farmers and outdoorsmen have done for centuries.

- 1 Get comfortable outside and pick a cloud to observe. Look at the shape. Is the cloud flat or puffy? Flat clouds are called Stratus; puffy clouds are called Cumulus.
- 2 Observe the height of the clouds. **High** – Cirrus clouds are high, thin, wispy clouds. **Middle** – Alto clouds; they will be either Stratus or Cumulus in shape. **Low** – Stratus clouds are the ones closest to the ground and are usually flat and hazy.
- 3 Using your observations, add the word for how high the cloud is, to the word for its shape. Now you have the scientific name! An example: Cirrus + Stratus = Cirrostratus. (*See our activity TIPS for more details.*)
- 4 Mount the [Mini Weather Station](#) as instructed. Note the direction the wind is coming from.
- 5 Use the [Cloud Chart](#) to compare your cloud type and wind direction findings. The cloud results will tell you if it's going to rain or not!

HOW

## BUY EVERYTHING YOU NEED FOR THIS ACTIVITY IN ONE PLACE

See all of these products and more on [one handy shopping page](#).



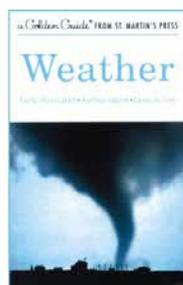
### Cloud Chart

Unlock the secrets of the clouds



### Mini Weather Station

Perfect for weather watchers



### Weather Golden Guide

(Optional)  
Packed with info

## WANT MORE?

Time to get serious!



### Weather Study Kit

[See all related products](#)

## A FEW TIPS TO HELP YOU OUT

- Wondering about wind direction? The compass direction — like Northeast (NE) — means that the wind is coming from the northeast and blowing southwest.
- Here's a way to remember the word "Cumulus" — it's Latin, meaning a pile or heap. The word "accumulate" means to pile up. Cumulus clouds are piled up and puffy!
- Choose the height in Column 1, and then select one of the shapes in Column 2 or Column 3. Where your answers intersect is the name of the cloud!

### SHAPE

	1	2	3
		<b>Stratus = Flat</b>	<b>Cumulus = Puffy</b>
<b>HEIGHT</b>	<b>High = Cirrus</b>	Cirrostratus	Cirrocumulus
	<b>Medium = Alto</b>	Altostratus	Alto cumulus
	<b>Low = Stratus</b>	Stratus	Stratocumulus

## GO BEYOND THE ACTIVITY!

- Write down your cloud-based weather predictions in a [science notebook](#). If today's prediction is for rain in 15–20 hours, set an alarm or make a note to observe if it rains when you predicted. Keep track of how often you're correct.
- Use the [Mini Weather Station](#) to explore more weather activities with no additional equipment!
- Want to include younger kids in your cloud activity? Start them using their own science notebook, where they can draw all the things they see in the sky: clouds, birds, butterflies, airplanes, electrical wires, and more. Then, use it as a starting point for learning about other science topics like biology, physics, and energy, helping them understand that science is all around us.

## NEED HELP WITH THIS ACTIVITY?

Call 1-800-860-6272 or email [service@homesciencetools.com](mailto:service@homesciencetools.com).

SHOP

TIPS

MAKE IT YOUR OWN

HELP