

EXPLORING EARTH

Investigating Clouds

Use a laser to probe a cloud!





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Try this!



Close the valve and squeeze the bulb 50 times to increase the pressure inside the bottle. Watch the thermometer on the side of the bottle. Does the temperature change as you pump?



Turn the bottle on its side and set it on the table. Flip the valve open to release the pressure in the bottle. What happens? Can you see a cloud form?



Shine the laser down into the bottle and quickly move it back and forth. How does the light from the laser change as it moves through the cloud?

Safety: Point the laser down, toward the table. Never point a laser at people, particularly toward their eyes.

Now try this!

Complete the *Investigate Your Sky Today* activity sheet to record cloud observations, and learn how you can share data with researchers who collaborate with NASA!