# Clouds

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| How does the water cycle affect clouds?  What is humidity?  What does humidity depend on?  What is relative humidity?  How do you measure relative humidity?  How do clouds form?  What is the role of cooling?  What is the role of particles?  What are the types of clouds? | Water vapor condenses to form clouds.  Humidity is the measure of water vapor in the air.  Air’s ability to hold water depends on temperature (hot air holds more water).  Relative humidity is the percentage of water vapor in the air compared to the max.  You measure relative humidity with a psychrometer.  Water vapor in the air condenses when air is cool and particles are present.  When the dew point is above freezing, water droplets (dew) form.  Particles must be present for water to condense on.  1. Cirrus- storm coming  2. Cumulus- nice weather (cumulonimbus = thunderstorm)  3. Stratus- rain  summary: |