

# ALL ABOUT CLOUDS



## HOW IS A CLOUD MADE?

A cloud is made of water droplets or ice crystals floating in the sky. As the Sun warms the Earth, water vapor on Earth's surface **evaporates**. When warm air rises, it expands and cools. Cool air can't hold as much water vapor as warm air, so some of the vapor **condenses** into tiny drops of water that form around particles in the sky. When billions of these droplets come together, they form a cloud!

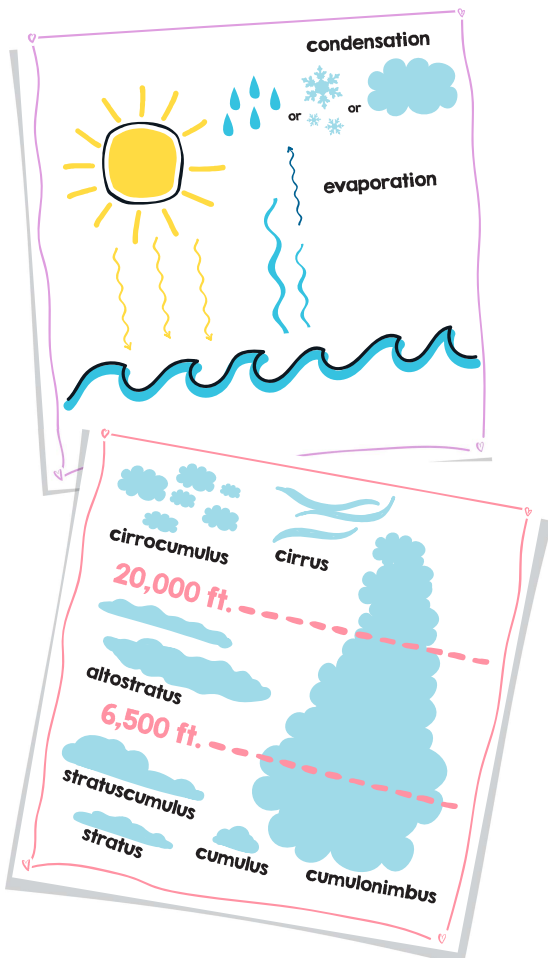


## WHAT ARE SOME TYPES OF CLOUDS?

Different types of clouds are defined by their shapes and how high they are in the sky. **Cirrus clouds** look like feathers and are high clouds.

**Cumulus clouds** look like giant cotton balls and are middle clouds.

**Stratus clouds** look like blankets and are low clouds.



## DIY RAINCLOUDS IN A JAR ★

- **STEP 1:**  
Fill your jar about three quarters full with water.
- **STEP 2:**  
Use the shaving foam to create a cloud on top of the water
- **STEP 3:**  
Let the foam settle a bit.
- **STEP 4:**  
Now drop food coloring onto the foam. As your cloud fills up, the food coloring will fall down into the water creating a rain-like effect.

### YOU WILL NEED:

- Jar
- Water
- Shaving foam
- Blue food coloring
- Pipette or dropper

