

Cloud Formation Graphic Organizer Master Copy

Finish defining each of the following vocabulary words. Next, place each of the following in the correct cloud formation order. Finish by writing a cloud formation summary.

- Condensation: **Water vapor cools and turns back into water droplets.**
- Evaporation/Transpiration: **Water turns into an invisible gas called water vapor.**
- Condensation Nuclei: **Water droplets stick to dust and particles in the air.**

Cloud Formation Steps

1. Evaporation/Transpiration
2. Condensation
3. Condensation Nuclei

Cloud Formation Summary

First, water turns into an invisible gas, called water vapor. Water vapor rises. When water vapor cools in the atmosphere, it turns back into water droplets. This process is called condensation. The water droplets stick to condensation nuclei, or dust and particles in the air.

Important Concepts

Dew Point: Temperature the air must be cooled to for water vapor to become water droplets. High dew point usually predicts humid and stormy weather. Warm air holds more water vapor than cool air.

Humidity: Amount of water vapor in the air measured as a percentage.