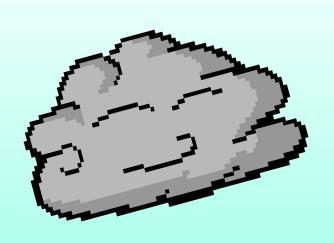
What is meant by atmospheric condition?

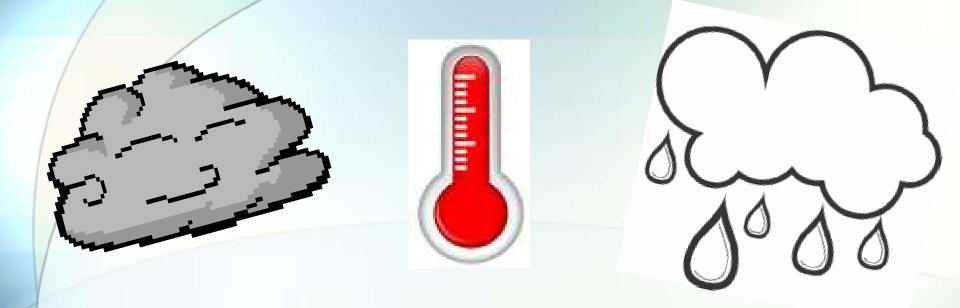
What are some possible examples of this?







Atmospheric condition refers to the state of the atmosphere in terms of temperature and wind and clouds and precipitation.



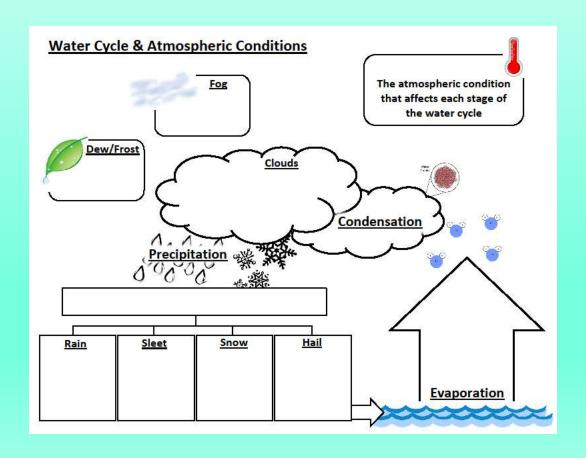
Atmospheric conditions = Daily weather

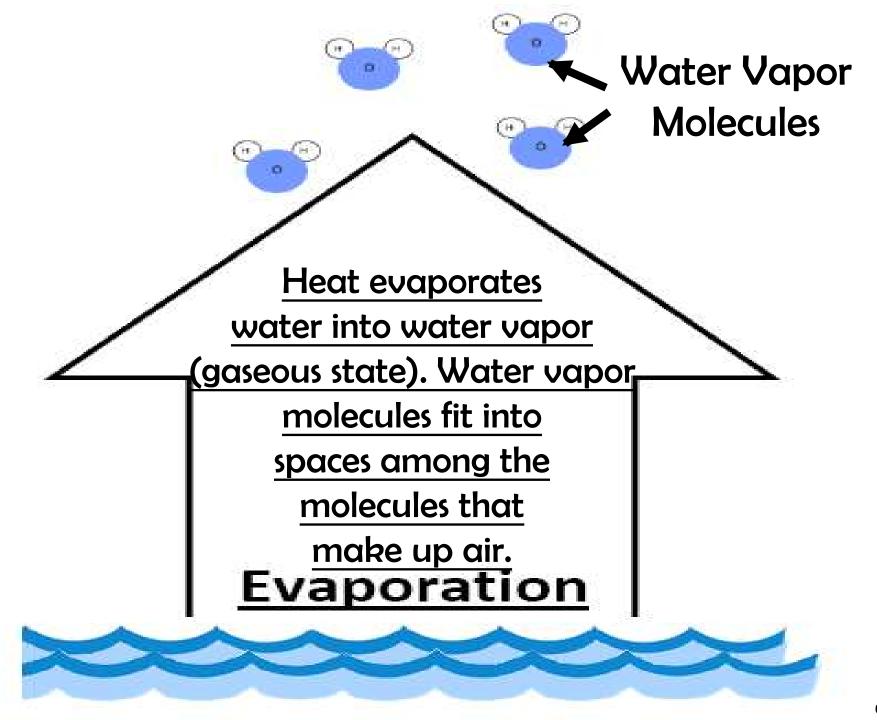
Examples: fog, wind, rain, dew, frost, humidity etc.

Essential Question: How does the water cycle explain various atmospheric conditions on the Earth?



Use your graphic organizer to record important information during the lesson.





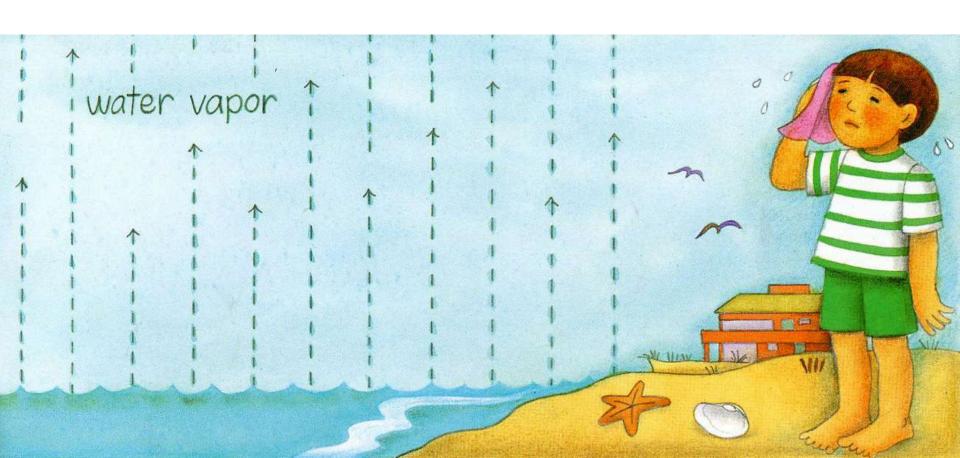
How does temperature affect evaporation?

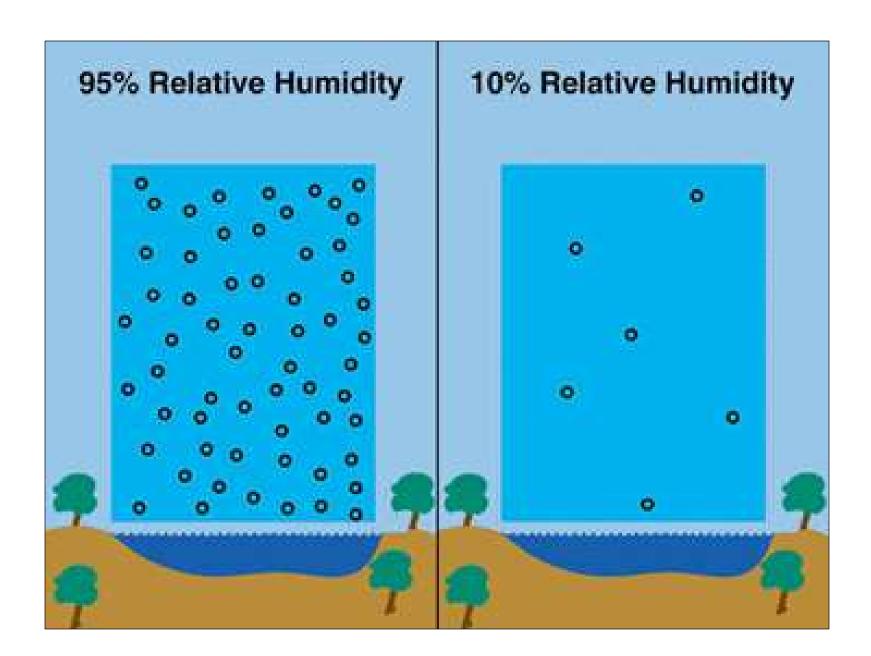
Heat warms up the liquid water causing it to change physically to a vapor.
The vapor rises.

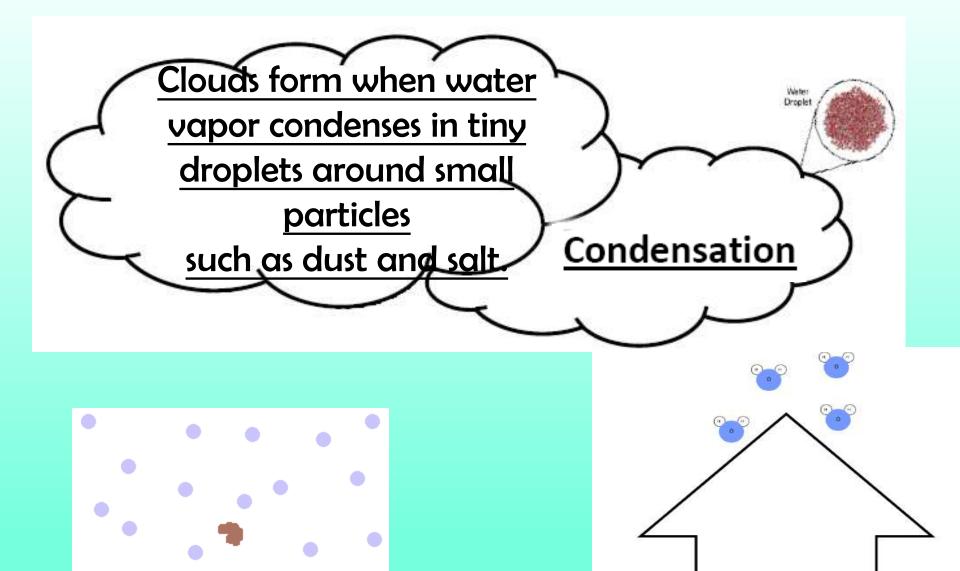
What atmospheric condition occurs due to evaporation?

HUMIDITY!

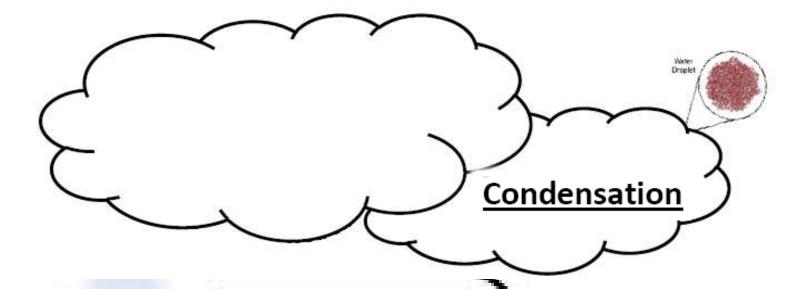
Humidity is the amount of water vapor present in the air.





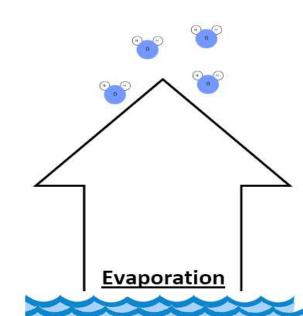






Fog

Water vapor molecules suspended
in the atmosphere
near the earth's surface
condense, fog can
occur (a cloud next to
the surface)

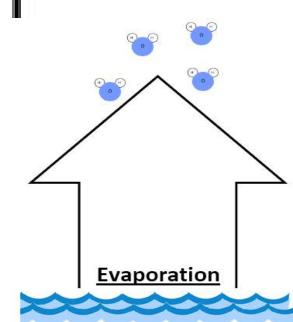


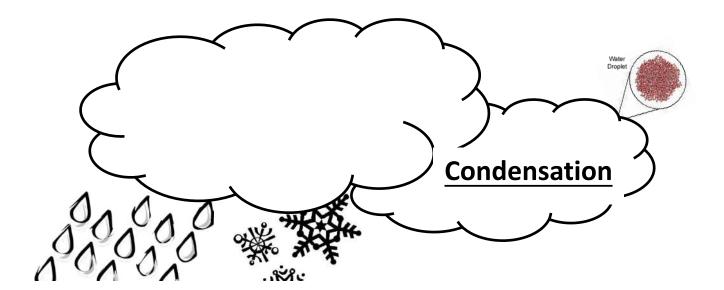


<u>Condensation</u>

Dew/Frost

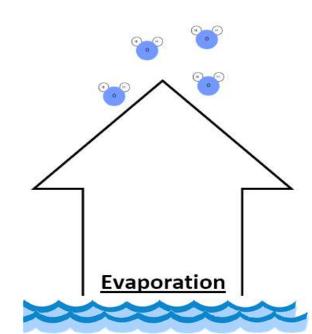
Forms when water droplets condense from the air onto cool surfaces near the ground. Frost may form when temperatures are near 0°C.

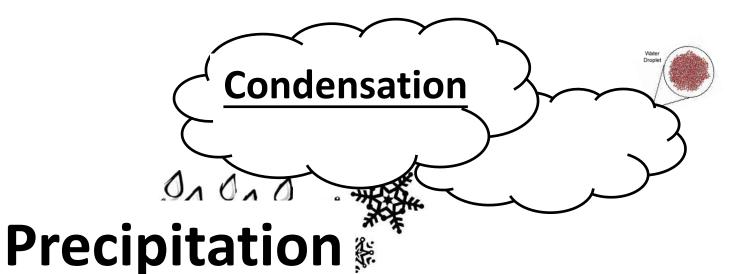




Precipitation

Liquid water droplets combine and grow too large for the atmosphere, so the droplets fall.





Rain

Liquid drops

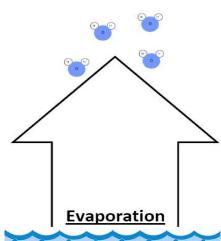
Sleet
Rain passes
through a
layer of
freezing air
near earth's
surface

Snow

Water
vapor
changes to
a solid

Hail

Water
freezes
inside a
cloud before
it falls



Homework Tonight

Water Cycle and Atmospheric Conditions	Name	Date Period
Draw and label the stages of the water cycle on the diagram to the right.		7M2
Identify an atmospheric condition(s) that occurs for each of the following stages of the water cycle.		
Evaporation:		W
Condensation:		1
Precipitation:		
		The first
Describe how temperature affects each of the three water cycle stages listed above.		
	~	

Use the notes on the front to help you!

Cool Visuals/Videos

http://commons.wikimedia.org/w/index.php?title=File%3AThe_Water_Cycle_Watering_the_Land.ogv

http://www.atmosedu.com/meteor/Animations/51_ Sleet/51.html