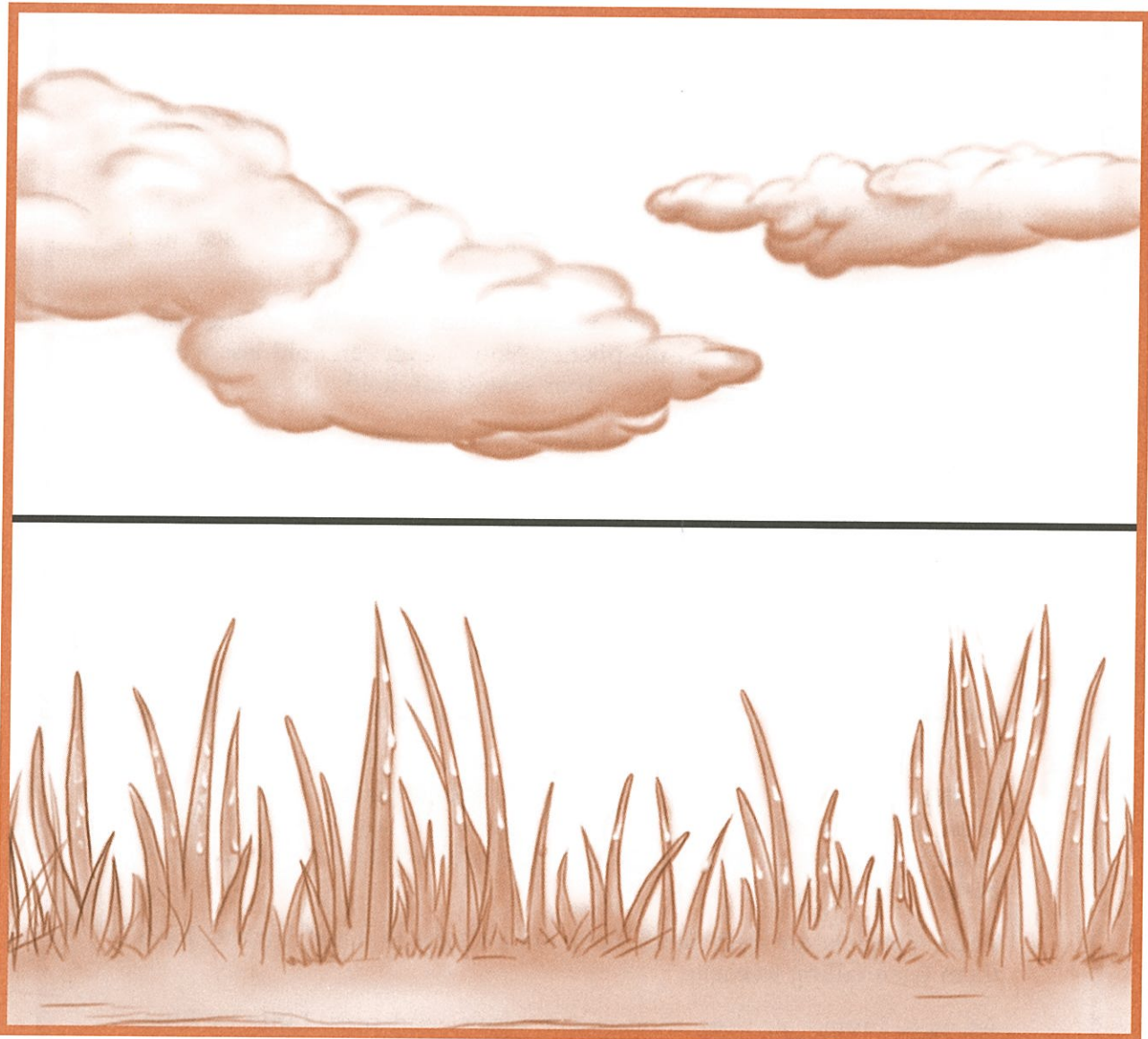


How do clouds form?



KEY TERMS

condensation: change of a gas to a liquid

dew point: temperature to which air must be cooled to reach saturation

UNDERSTANDING CONDENSATION

Study Figures A and B. Then choose the correct term for each statement. Write your answers in the spaces provided.



Figure A

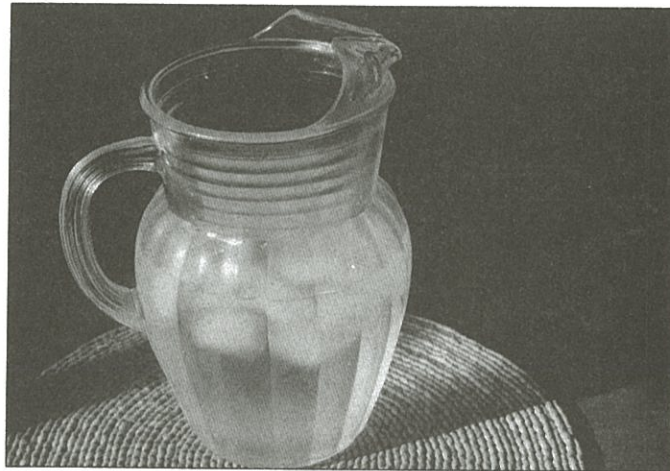


Figure B

1. The pitcher in Figure B is _____ than the air.
warmer, cooler
2. The pitcher in Figure B _____ the air close to it.
cools, warms
3. The air next to pitcher B now can hold _____ water vapor.
more, less
4. Some water vapor in the air touching this pitcher has _____ .
evaporated, condensed
5. Condensation changes _____ .
a liquid to a gas, a gas to a liquid
6. What do we call the temperature at which condensation takes place?

FILL IN THE BLANK

Complete each statement using a term or terms from the list below. Write your answers in the spaces provided.

saturated
evaporation
dew point
droplet

cloud
condensation
water vapor

more
liquid water
invisible

1. Water in the gas form is called _____ .
2. The change from liquid water to water vapor is called _____ .
3. Water vapor is _____ .
4. Warm air can hold _____ water vapor than cool air can.
5. Air that holds all the water vapor that it can is said to be _____ .
6. When saturated air cools, extra water vapor changes to _____ .
7. The change from water vapor to liquid water is called _____ .
8. The temperature at which condensation takes place is called the _____ .
9. A very tiny drop is called a _____ .
10. Many, many billions of droplets make up a _____ .

TRUE OR FALSE

In the space provided, write "true" if the sentence is true. Write "false" if the sentence is false.

- _____ 1. You can always see water.
- _____ 2. Water vapor is invisible.
- _____ 3. Water vapor is a gas.
- _____ 4. Evaporation is the change from a gas to a liquid.
- _____ 5. Saturated air cannot hold any more water vapor.
- _____ 6. Cold air can hold less water vapor than warm air.
- _____ 7. Evaporation happens at the dew point.
- _____ 8. When warm air rises, it cools off.
- _____ 9. Condensation happens when air cools.
- _____ 10. A cloud is made up of water vapor.