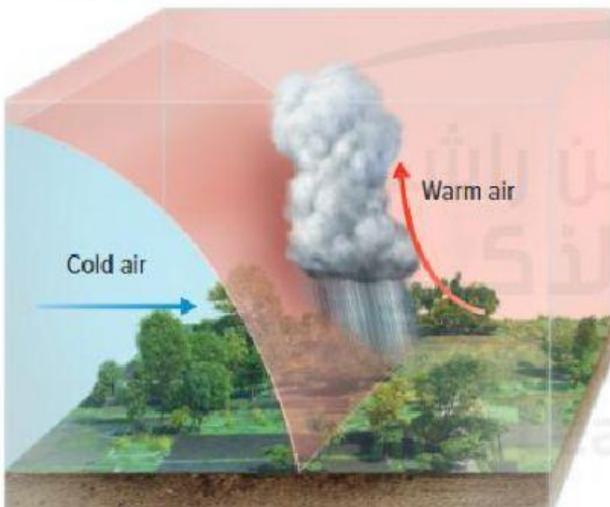


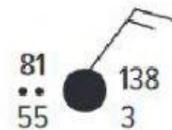
## Understanding Key Concept

- Clouds form when water changes from
  - gas to liquid.
  - liquid to gas.
  - solid to gas.
  - solid to liquid.
- Which type of precipitation reaches Earth's surface as large pellets of ice?
  - hail
  - rain
  - sleet
  - snow
- Which of these sinking-air situations usually brings fair weather?
  - air mass
  - cold front
  - high-pressure system
  - low-pressure system
- Which air mass contains cold, dry air?
  - continental polar
  - continental tropical
  - maritime tropical
  - maritime polar
- Study the front below.
- Which is an intense tropical storm with winds exceeding 119 km/h?
  - blizzard
  - hurricane
  - thunderstorm
  - tornado
- Which contains measurements of temperature, air pressure, humidity, precipitation, and wind speed and direction?
  - a radar image
  - a satellite image
  - a surface report
  - a weather station
- What does Doppler radar measure?
  - air pressure
  - air temperature
  - the rate at which air pressure changes
  - the speed at which precipitation travels
- Study the station model below.



How does this type of front form?

- Study the station model below.



What is the temperature according to the station model?

- 3°F
  - 55°F
  - 81°F
  - 138°F
- Which describes cirrus clouds?
    - flat, white, and layered
    - fluffy, at middle altitudes
    - heaped or piled up
    - wispy, at high altitudes
  - Which instrument measures wind speed?
    - anemometer
    - barometer
    - psychrometer
    - thermometer