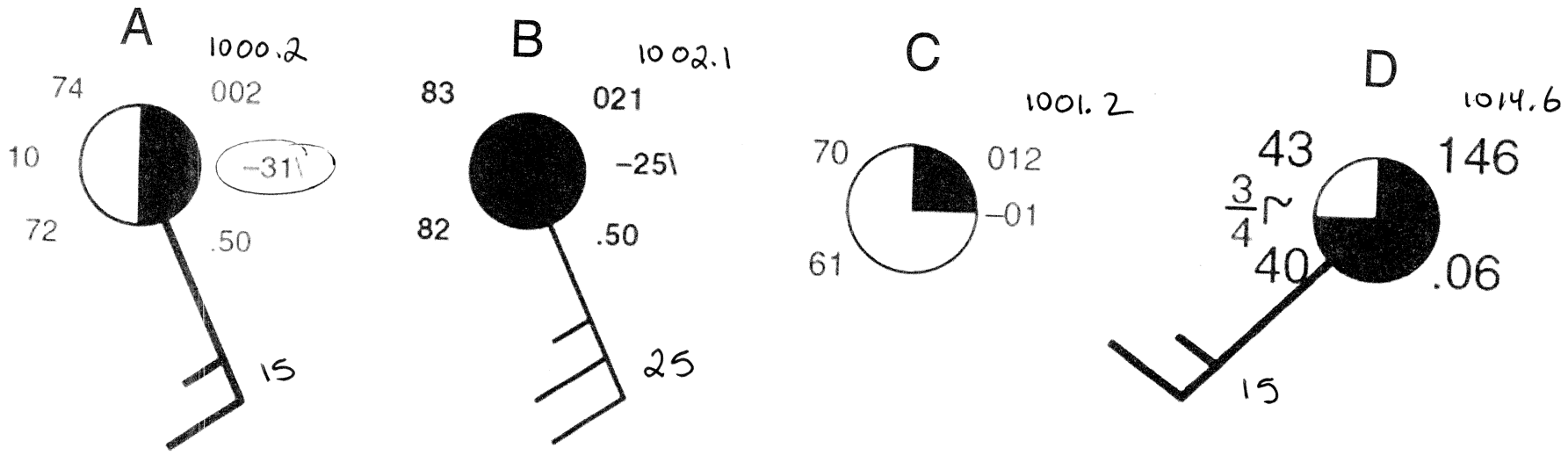
Name _____ Key

Station Model Practice



What Station Model Has.....

1. The fastest wind speed? B
2. The best chance for rain? Temp = Dew Pt. B
3. The clearest skies? C
4. Winds from the SE? A + B
5. Winds from the SW? D
6. The greatest pressure change? A
7. The highest visibility? A
8. The highest pressure? D
9. The lowest pressure? A
10. Least amount of precipitation? C
11. Greatest amount of precipitation? A + B
12. Highest relative humidity? B
13. Lowest relative humidity? C
14. Greatest cloud cover? B
15. Smog? D

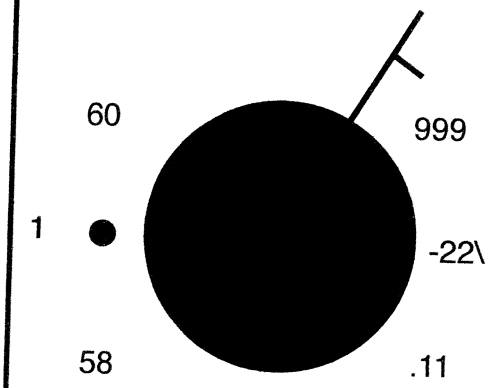
Determine the Following...

1. Tell the 2 ways you can determine the station model with the highest humidity.
   - Temp. is close to Dew Pt.
   - 100% cloud cover + lower pressure
2. Convert the pressure for station model B.
   1002.1 mb
3. What is the pressure change in station model A?
   Dropping 3.1 mb
4. Convert the air temperature to °C in station model D. 43°F ⇒ 6°C
5. If winds are coming from the South in station models A, B and D, what type of temperatures and relative humidities will they be bringing?
   mT high humidity + warm temp.
6. Convert the pressure in station model A.
   1000.2mb

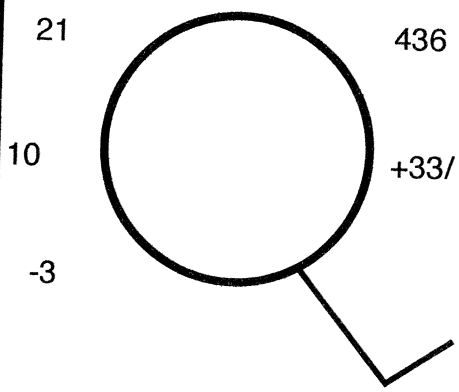
Name KEY

Chapter 6,7,8-Weather

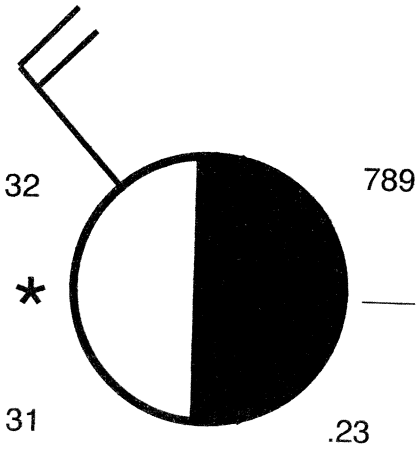
Station Model Practice



Temperature = 60 °F
Dew Point = 58 °F
Visibility = 1 miles
Current Weather = Rain
Pressure = 999.9 mb
Pressure Trend = -2.2 mb
Cloud Cover = 100 %
Wind Direction = NE
Wind Speed = 5 knots
Precipitation = .11 in



Temperature = 21 °F
Dew Point = -3 °F
Visibility = 10 miles
Current Weather = clear
Pressure = 1043.6 mb
Pressure Trend = +3.3 mb
Cloud Cover = Clear 0%
Wind Direction = SE
Wind Speed = 10 knots
Precipitation = —— in



Temperature = 32 °F
Dew Point = 31 °F
Visibility = —— miles
Current Weather = SNOW
Pressure = 978.9 mb
Pressure Trend = —— mb
Cloud Cover = 50 %
Wind Direction = NW
Wind Speed = 20 knots
Precipitation = .23 in