

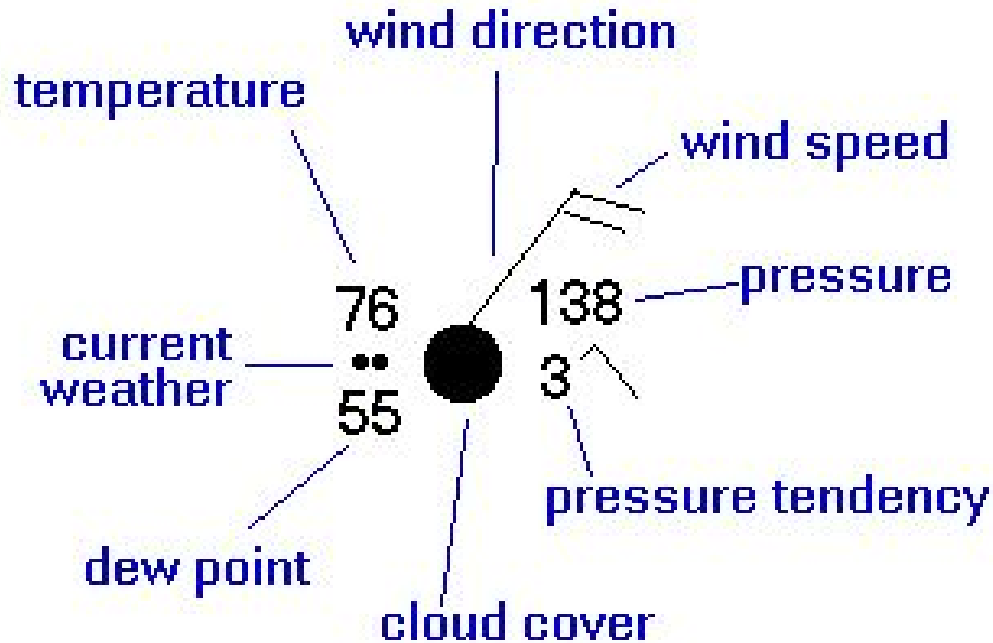
Do Now



On scratch paper:

- 1. What are the 4 types of air masses?*
- 2. What is the symbol for cold front?*

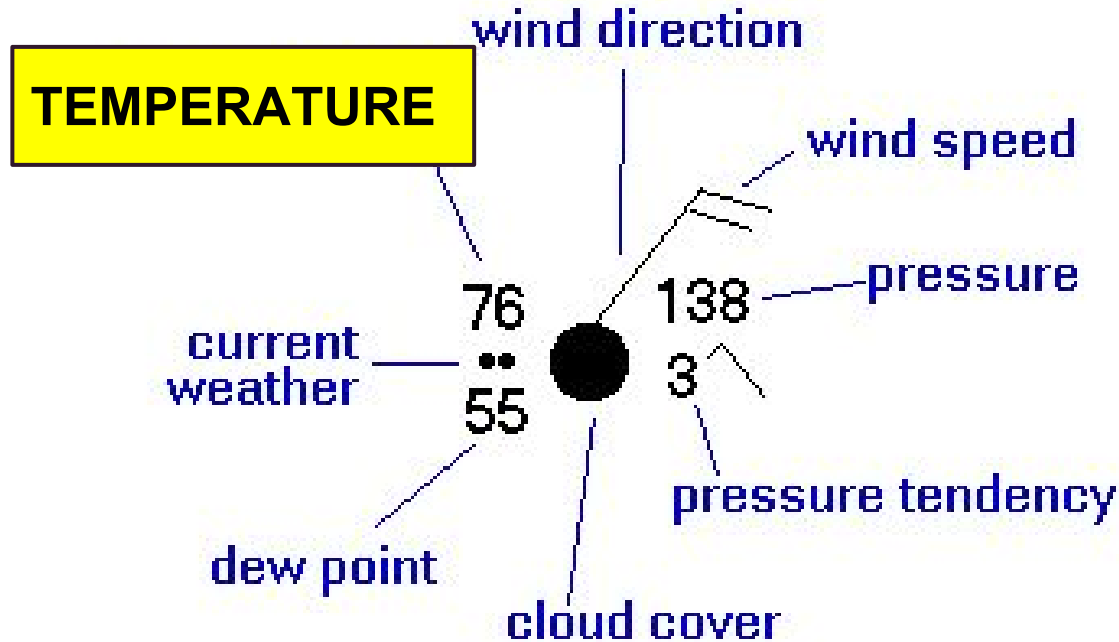
Weather Station Data



On your paper...

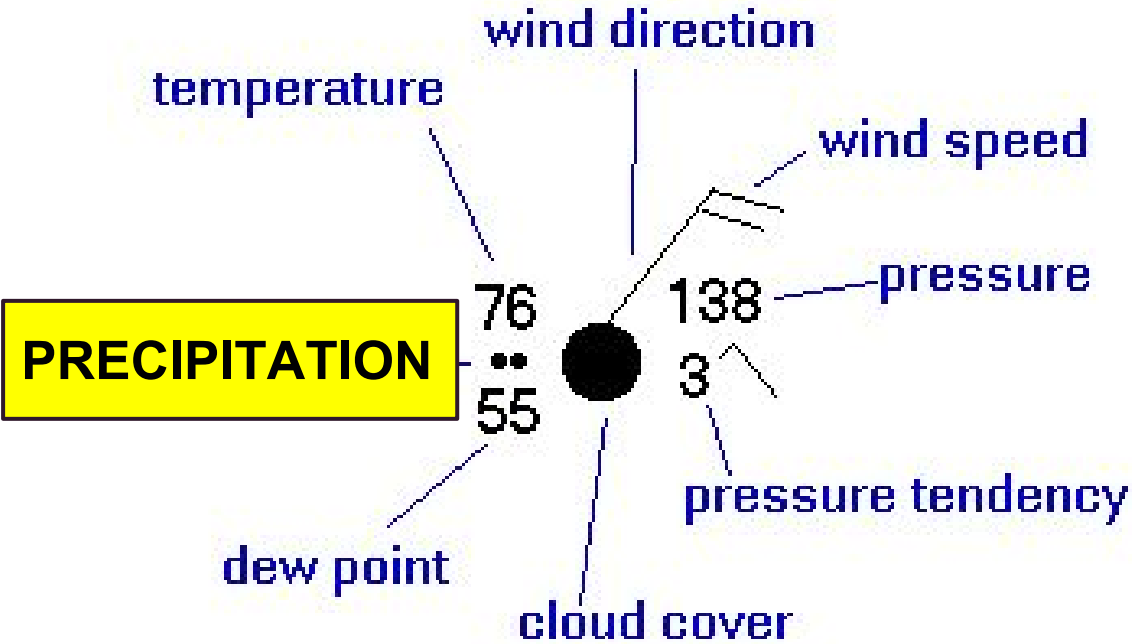
Just like this one, you will label where each part is found

Weather Station Data



Temperature measured in degrees F

Weather Station Data

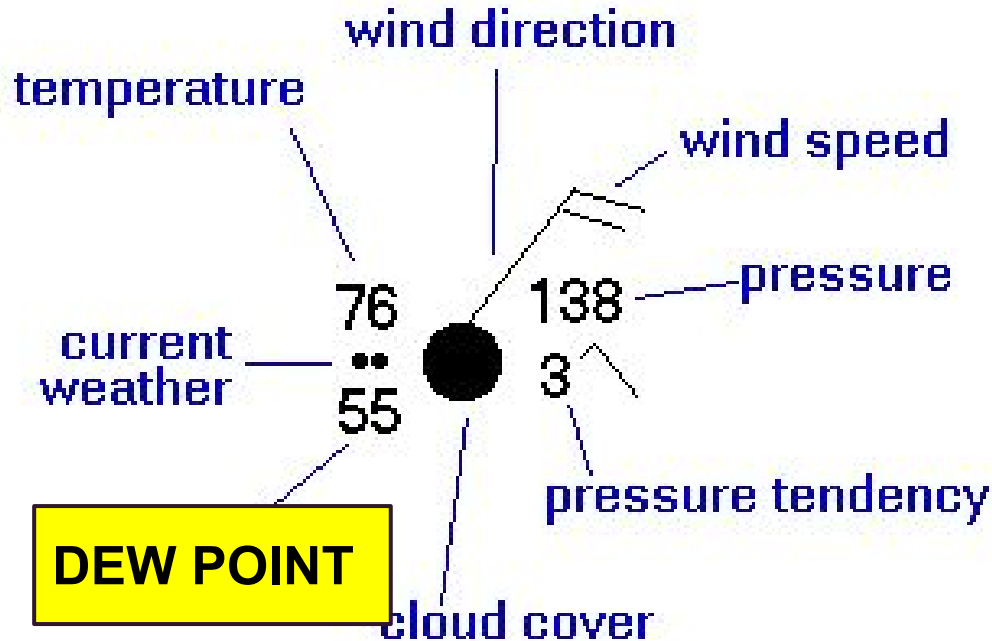


**READ:
Precipitation
Types
section**

**Copy
symbols into**

Weather Station Data

DEW POINT
=
Temperature
needed for
water vapor
to condense



Weather Station Data

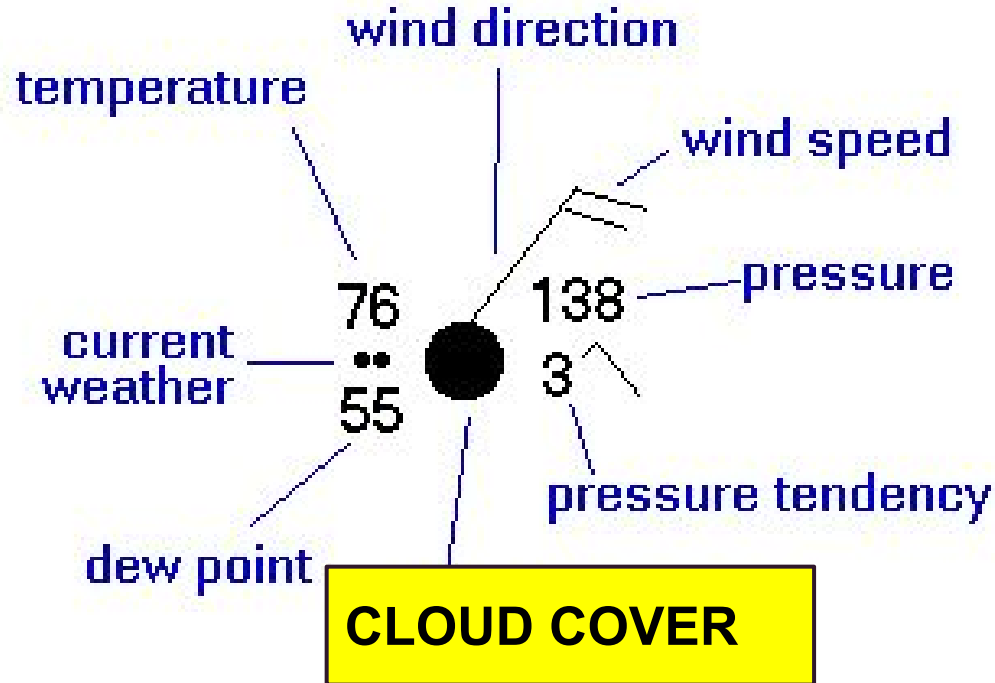
CLOUD COVER =

Percentage of sky covered in clouds

*Similar to a pie chart

READ CLOUD COVER SYMBOLS

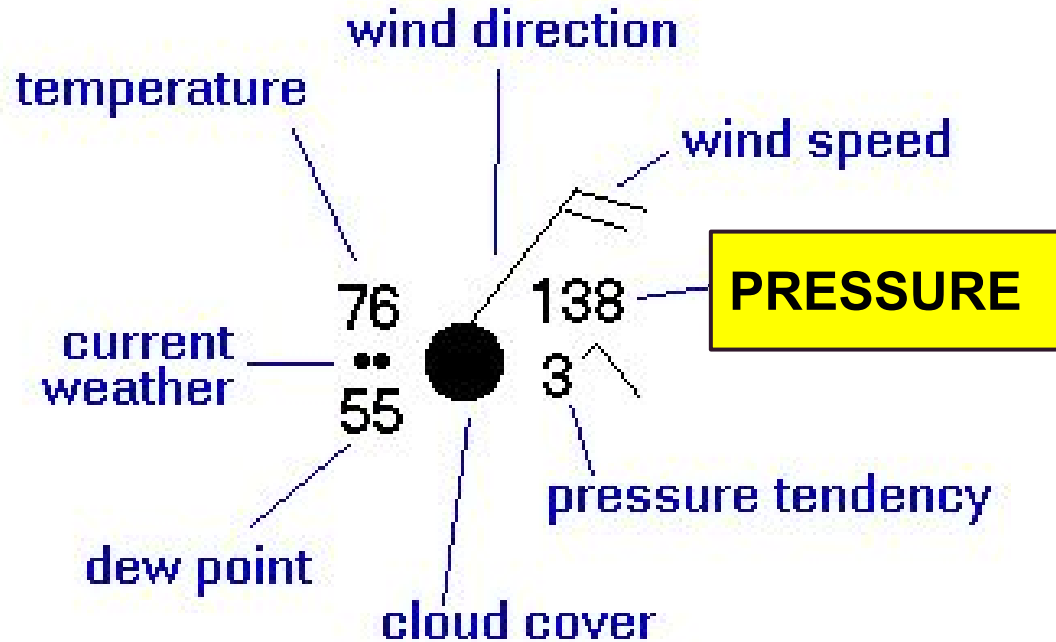
Copy symbols into notes



Weather Station Data

READ: AIR
PRESSURE

Copy examples
into your notes



Air Pressure continued

If >500 :

Place a 9 in front and add a decimal point
one place in

If <500 :

Place a 10 in front and add a decimal point
one place in

Air Pressure Example 1:

Air pressure given: 010

< or >500?

add 9 or 10?

Move decimal one place in

Air Pressure Example 1:

Air pressure given: 010

Step 1. $<$ or >500 ?

<500

Step 2. Add 9 or 10?

add 10 to the front: 10010

Step 3. Move decimal one place in

1001.0 mb

Air Pressure Example 2:

Air pressure given: 710

< or >500?

add 9 or 10?

Move decimal one place in

Air Pressure Example 1:

Air pressure given: 710

Step 1. $<$ or >500 ?

>500

Step 2. Add 9 or 10?

add 9 to the front: 9710

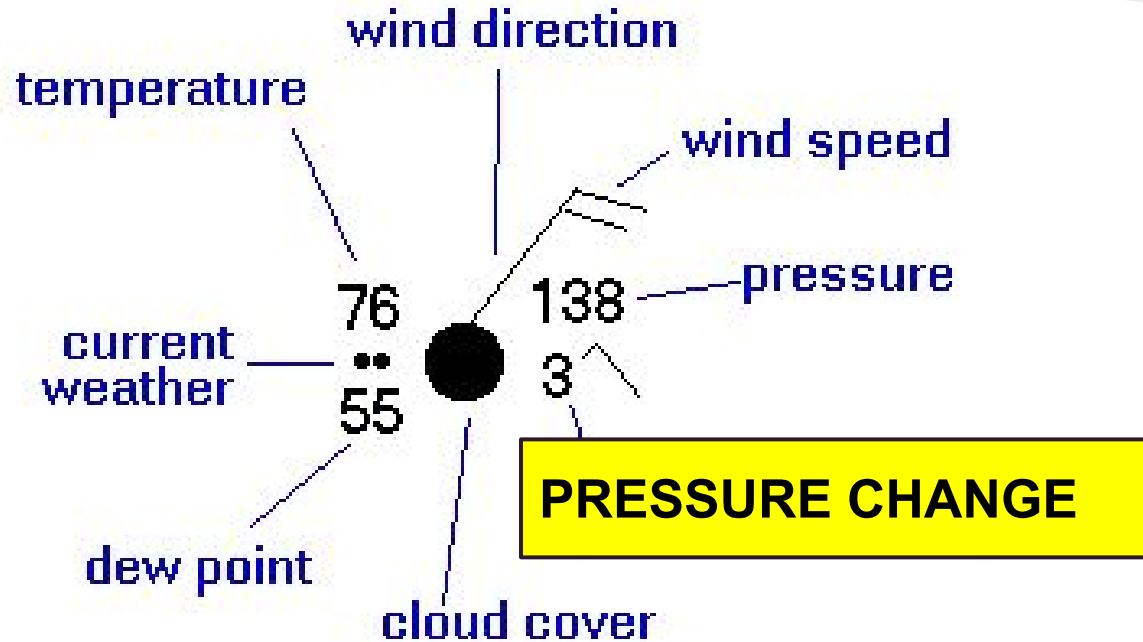
Step 3. Move decimal one place in

971.0mb

Weather Station Data

**READ PAST
PRESSURE**

**Write down
examples in
notes**



Pressure Change:

If there is a + in front...

Pressure has increased in the past 3 hours

Step 1. Place a decimal between the 2 digits

Step 2. **SUBTRACT** the # from the current air pressure

****THIS GIVES YOU THE PRESSURE 3 hrs AGO**

Pressure Change Example 1:

If there is a + in front...

Pressure has increased in the past 3 hours

Ex: **+12**

Step 1. Place a decimal between the 2 digits

1.2

Step 2. **SUBTRACT** the # from the current air pressure

ORIGINAL PRESSURE - 1.2 = _____

****THIS GIVES YOU THE PRESSURE 3 hrs AGO**

Pressure Change:

If there is a - in front...

Pressure has decreased in the past 3 hours

Step 1. Place a decimal between the 2 digits

Step 2. ADD the # from the current air pressure

****THIS GIVES YOU THE PRESSURE 3 hrs AGO**

Pressure Change Example 1:

If there is a - in front...

Pressure has decreased in the past 3 hours

Ex: **-12**

Step 1. Place a decimal between the 2 digits

1.2

Step 2. ADD the # to the current air pressure

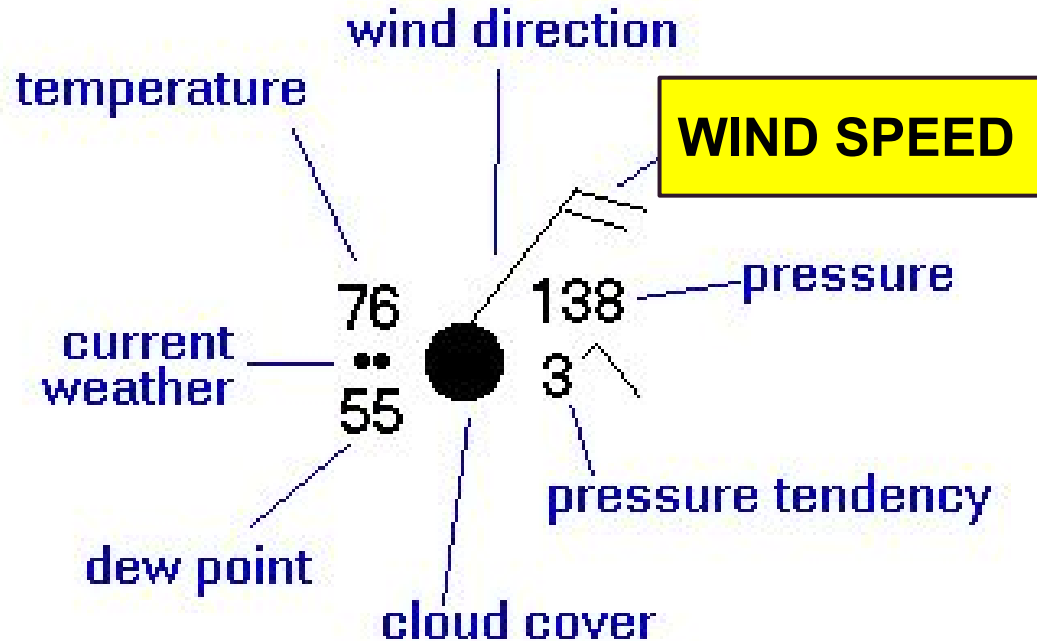
ORIGINAL PRESSURE + 1.2 = _____

****THIS GIVES YOU THE PRESSURE 3 hrs AGO**

Weather Station Data

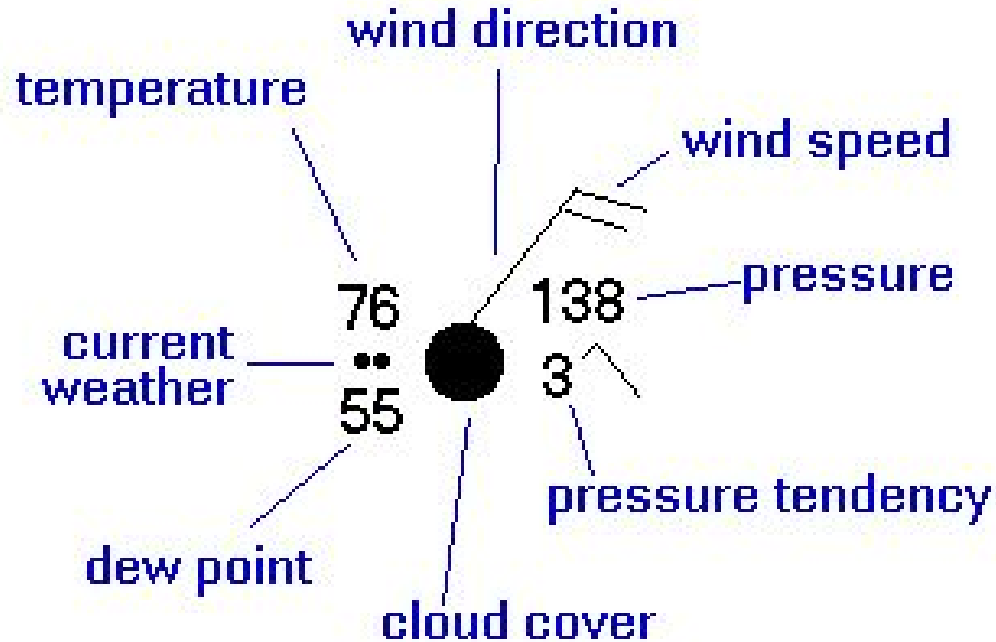
READ: WIND

IN notes: write down what the flags mean



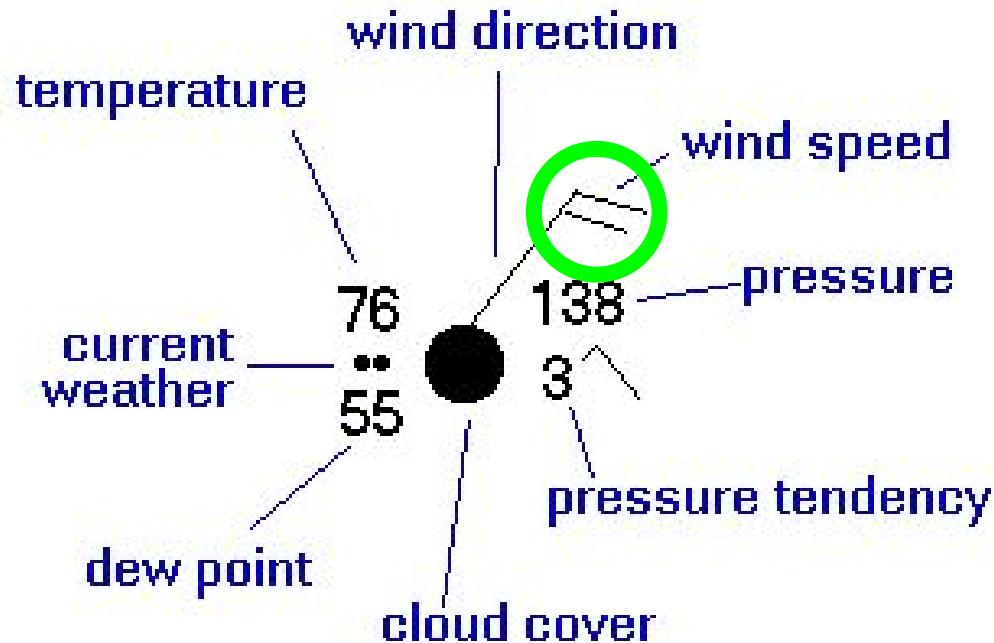
Wind Speed

What is the
wind speed
at this
station?



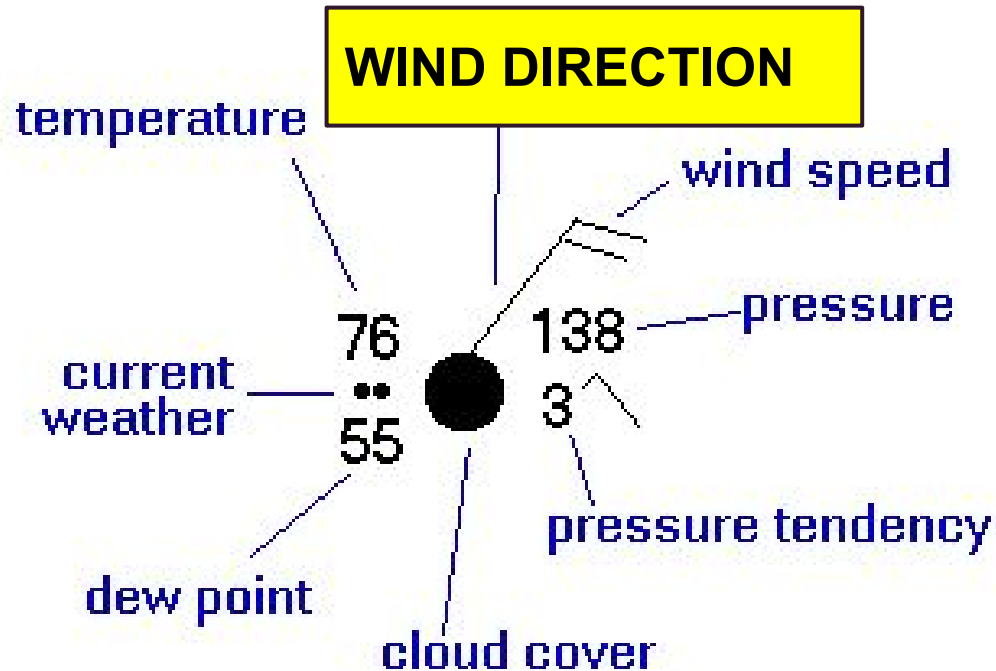
Wind Speed

What is the wind speed at this station?



20 knots
(2 full feathers = 10+10)

Weather Station Data

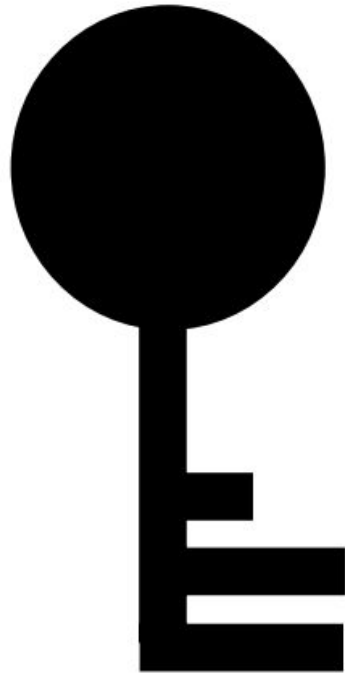


Practice: STATION 1

65

=

64



998

-30

0.2

LABEL WHAT EACH NUMBER IS TELLING YOU

Practice: STATION 1

Temperature **65**

Precip. **=**

Dew Point **64**



**% Cloud
Cover**

998 Air Pressure

-30 Change in
Air Pressure

0.2 Inches of
Precip.

**Wind Speed
& Direction**

Exit Ticket: Complete using image

Determine the...

1. Temperature
2. Type of Precipitation
3. Air Pressure
4. Air pressure 3 hrs ago
5. Wind Direction AND speed

