Name _____   Date _____

Instruments That Measure Weather

Cut apart each card. Match the description on each card to one of the illustrations of an instrument that measures weather. Glue the matching cards together until you have a full deck of nine cards.

Instrument 1

- Measures heat content of air
- Measures in Celsius or Fahrenheit
- Measurement usually taken 5 feet above ground in a shelter
- Liquid expands or contracts causing it to move up and down a tube

Instrument 2

- Measures air pressure
- Weighs the amount of air in a specific place
- Usually measures between 28-31 inches of mercury
- A falling measurement usually means a storm is approaching

Instrument 3

- Measures wind speed
- Measures how hard the wind is blowing
- Measured 33 feet above ground level on buildings or airports
- Several cups catch the wind and spin around a pole
- Measured by the number times it spins over a set period of time

Instrument 4

- Measures rain or snow over a set period of time
- Measurement reported in inches
- Collecting during high winds can give incorrect readings
- Many different kinds

Instrument 5

- Measures humidity
- Made of two thermometers   one with a wet cloth on the end
- If the difference in the thermometers is very large, there is little humidity

Instrument 6

- Shows the direction the wind is blowing
- Does not work well with light winds

WILDEST WEATHER IN THE SOLAR SYSTEM

Instruments That Measure Weather, continued

Instrument 7

- Used to take pictures of big weather events
- May have a camera to tell how warm the storm is

Instrument 8

- Measure is made up by the person watching the weather
- Describes what the weather looks like
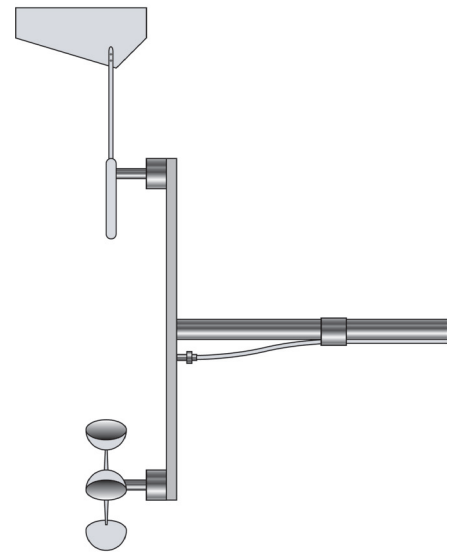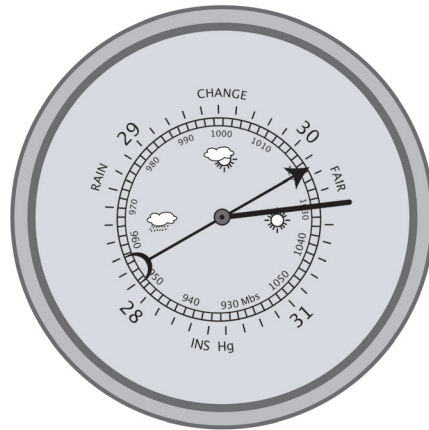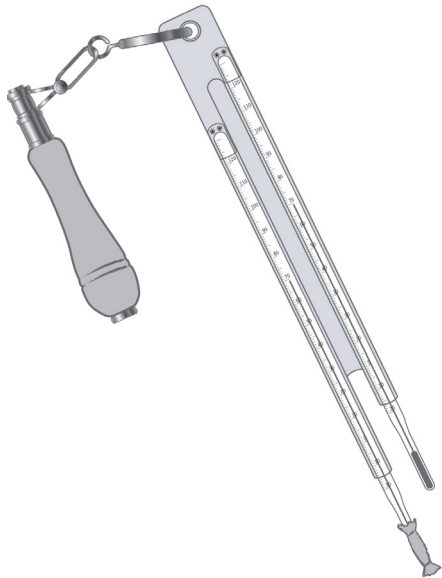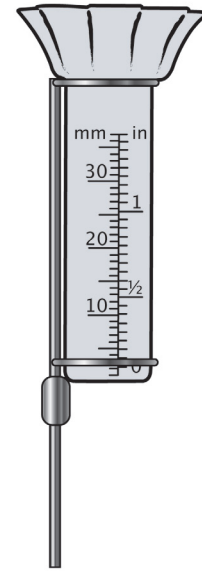- Provides added information

Instrument 9
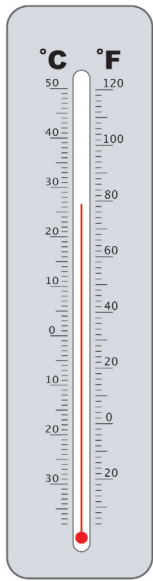
- The measure of how far you can see
- Measurement can sometimes be zero
- Measurements usually reported in miles

Instruments That Measure Weather, continued

Instruments That Measure Weather, continued