WEATHER PATTERNS
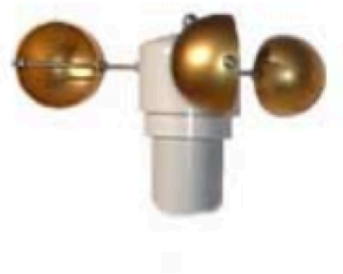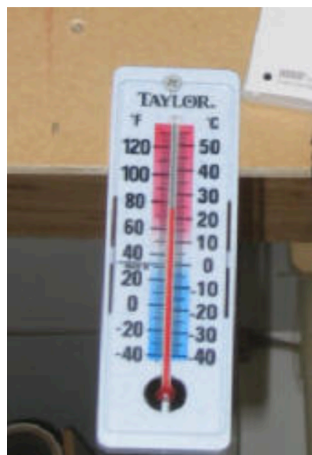
1. Tell what each of these instruments does to help a meteorologist record weather information.

anemometer

barometer
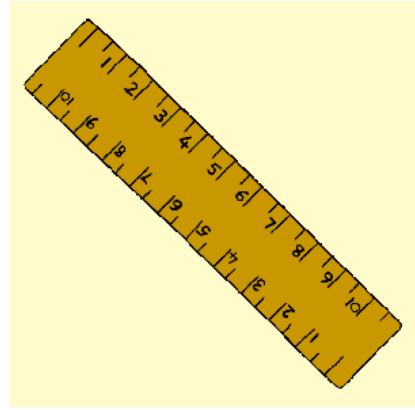
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_____

_____

_____

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thermometer

rain gauge

_____

_____

_____

_____

_____

_____

weather vane

ruler

_____   _____

_____   _____

_____   _____

Meteorologists give us three big pieces of information at the end of the day using the above instruments in their weather reports on TV.

    a. They tell us what the weather was like during the past 24 hours.

    b. They tell us the present condition of the weather.

    c. They give a prediction of what the weather will be like during the next 24 hours.

2. Why do people want to know what the weather is like right now?

_____

_____

_____

3. Why do people want to know what the weather is going to be like tomorrow?

_____

_____

_____

4. Why is it important that the meteorologists keep the weather information that they record each day?

_____

_____

_____

5. Name three weather conditions that exist when there is a high pressure around us. (Think of wind, temperature, precipitation, and clouds.)

a. _____

b. _____

c. _____

6. Name three weather conditions that exist when there is a low pressure around us. (Think of wind, temperature, precipitation, and clouds.)

a. _____

b. _____

c. _____

7. Name three weather conditions that exist when a low pressure (storm) is approaching us. (Think of wind, temperature, precipitation, and clouds.)

a. _____

b. _____

c. _____

Look at the following weather information that was recorded to tell us the weather conditions for a particular day.

8. April 27

Barometer	Tempera- ture	Wind Direction	Wind Speed	Precipitation	Cloud Type
30.14 →	????	Northeast	5 mph	None	Cumulus

What do you think the temperature reading was for this day?

a. 45 degrees   b. 35 degrees   c. 90 degrees   d. 70 degrees

9. April 30

Barometer	Tempera- ture	Wind Direction	Wind Speed	Precipitation	Cloud type
29.79 ↓	80 degrees	South	????	None	Cirrus

What do you think the wind speed was for this day?
a. 5 mph   b. 100 mph   c. 20 mph   d. no wind

10. May 4

Barometer	Tempera- ture	Wind Direction	Wind Speed	Precipitation	Cloud Type
29.65 →	43 degrees	North	5 mph	0.21 inches	????

Which type of clouds do you think was on this day?

a. Stratus   b. Cumulus   c. Cirrus   d. None