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Ch 12-2 Pages:324-328

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# WEATHER INSTRUMENTS & HOW TO USE THEM

YouTube Videos:

Weather Instruments Song

by: ParrMr

[https://www.youtube.com/watch?v=kBfaAN\\_tWW4](https://www.youtube.com/watch?v=kBfaAN_tWW4)

Weather Instruments by: Michael Sammartano

<https://www.youtube.com/watch?v=ySSyT44nma4>

*This video may also help*

Weather Instruments notes

by: Michael Carothers

<https://www.youtube.com/watch?v=sn8G1hak7Ps>

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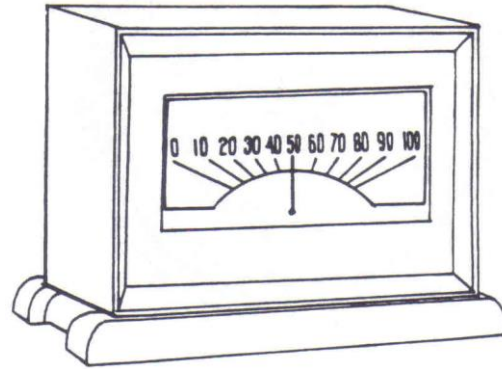
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### Weather Instruments 1 & 2

1. After watching the video my Michael Sammartano, label the name of each weather instruments shown below and then tell what each instrument measures and in what units the readings are expressed. *See example.*

Name Hygrometer

\_\_\_\_\_

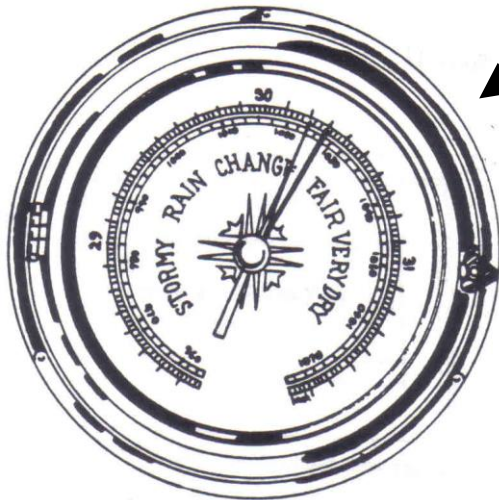


Measures Humidity

\_\_\_\_\_

Percent

\_\_\_\_\_



2a) Name

\_\_\_\_\_

b) Measures

\_\_\_\_\_

c) Units:

\_\_\_\_\_

3a) Name

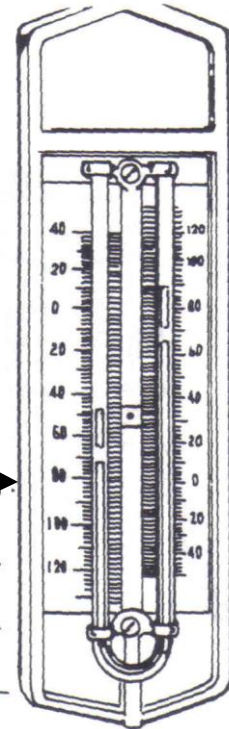
\_\_\_\_\_

b) Measures

\_\_\_\_\_

c) Units:

\_\_\_\_\_

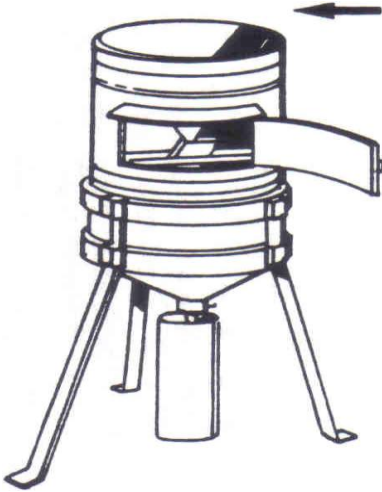


Barometer Reading * inches	Weather Forecast
*30.1-30.2 rising rapidly	fair; rain within 48 hours
30.1-30.2 steady	fair; little change
30.1-30.2 falling slowly	rain within 24 hours
30.1-30.2 falling rapidly	rain within 12 hours
30.0 or below, rising slowly	clearing
30.0 or below, falling slowly	rain for 24-48 hours
30.0 or below, falling rapidly	rain with winds
29.8 or below, falling rapidly	storm with strong winds

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4a) Name

\_\_\_\_\_

b) Measures

\_\_\_\_\_

c) Units:

\_\_\_\_\_

5a) Name

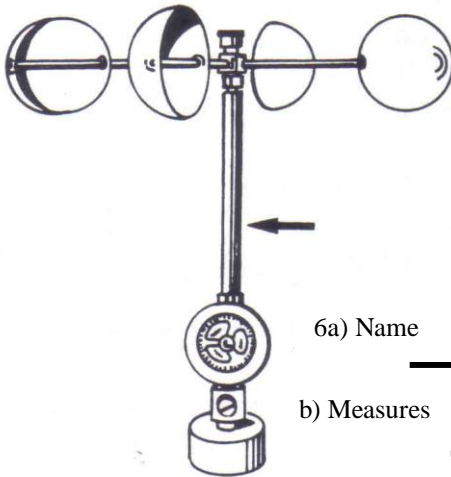
\_\_\_\_\_

b) Measures

\_\_\_\_\_

c) Units:

\_\_\_\_\_



6a) Name

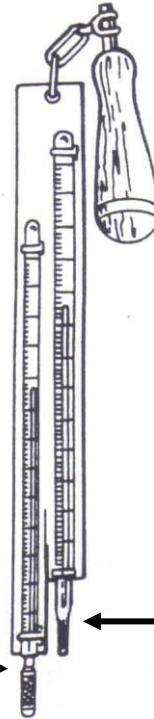
\_\_\_\_\_

b) Measures

\_\_\_\_\_

c) Units:

\_\_\_\_\_



d) Name  
that has  
sock on it



e) no sock



There was one instrument that the video talked about that WAS NOT covers in this packet. Draw and complete the blanks

7a) Name

\_\_\_\_\_



b) Measures

\_\_\_\_\_

c) Units:

\_\_\_\_\_

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8. **According to the barometer chart on Page 2**, tell what kind of weather might develop under each of the following conditions.

*Barometer reading of 29.90" rising slowly:* Clearing \_\_\_\_\_

a. Barometer reading of 30.20" rising rapidly \_\_\_\_\_

b. Barometer reading of 29.80" falling rapidly \_\_\_\_\_

c. Barometer reading of 30.10" steady \_\_\_\_\_

d. Barometer reading of 29.70" falling slowly \_\_\_\_\_

e. Barometer reading of 28.80" falling rapidly \_\_\_\_\_

9. What type of weather will generally follow a rising barometer reading? \_\_\_\_\_

10. Which of the instruments on the previous pages would best measure each of the following conditions?

a. A three-inch snowfall \_\_\_\_\_

b. A period of hot, humid weather \_\_\_\_\_ Hygrometer \_\_\_\_\_

c. A gentle land breeze \_\_\_\_\_

11. Which instrument would give each of the following readings?

a. A reading of 14 kilometers per hour \_\_\_\_\_

b. A reading of 53 percent \_\_\_\_\_ Hygrometer \_\_\_\_\_

c. A reading of 3 centimeters \_\_\_\_\_