

The background of the slide is a dark, stormy sky. In the upper right, there are dark, swirling clouds. In the lower right, a bright, jagged lightning bolt strikes downwards. On the left side, a tall, metal lattice tower, possibly a radio or weather station tower, is visible against a lighter, hazy sky. The overall color palette is dominated by deep blues, purples, and greys, with the white text providing a strong contrast.

Georgia Regional Elementary Science Olympiad

Weather or Not

1. What is the name of this device?
2. What does it measure?



Match a cloud name to the clouds pictured. Not all words will be used.

3



4



5



- A. Altostratus
- B. Cirrocumulus
- C. Cirrostratus
- D. Cirrus
- E. Cumulus
- F. Cumulonimbus
- G. Nimbostratus
- H. Nimbus
- I. Stratus

6

7

high altitude

8

9

6000 m
20,000 ft

10

medium altitude

11

2000 m
6500 ft

A. Altocumulus

B. Altostratus

C. Cirrocumulus

D. Cirrostratus

E. Cirrus

F. Cumulus

G. Cumulonimbus

H. Nimbostratus

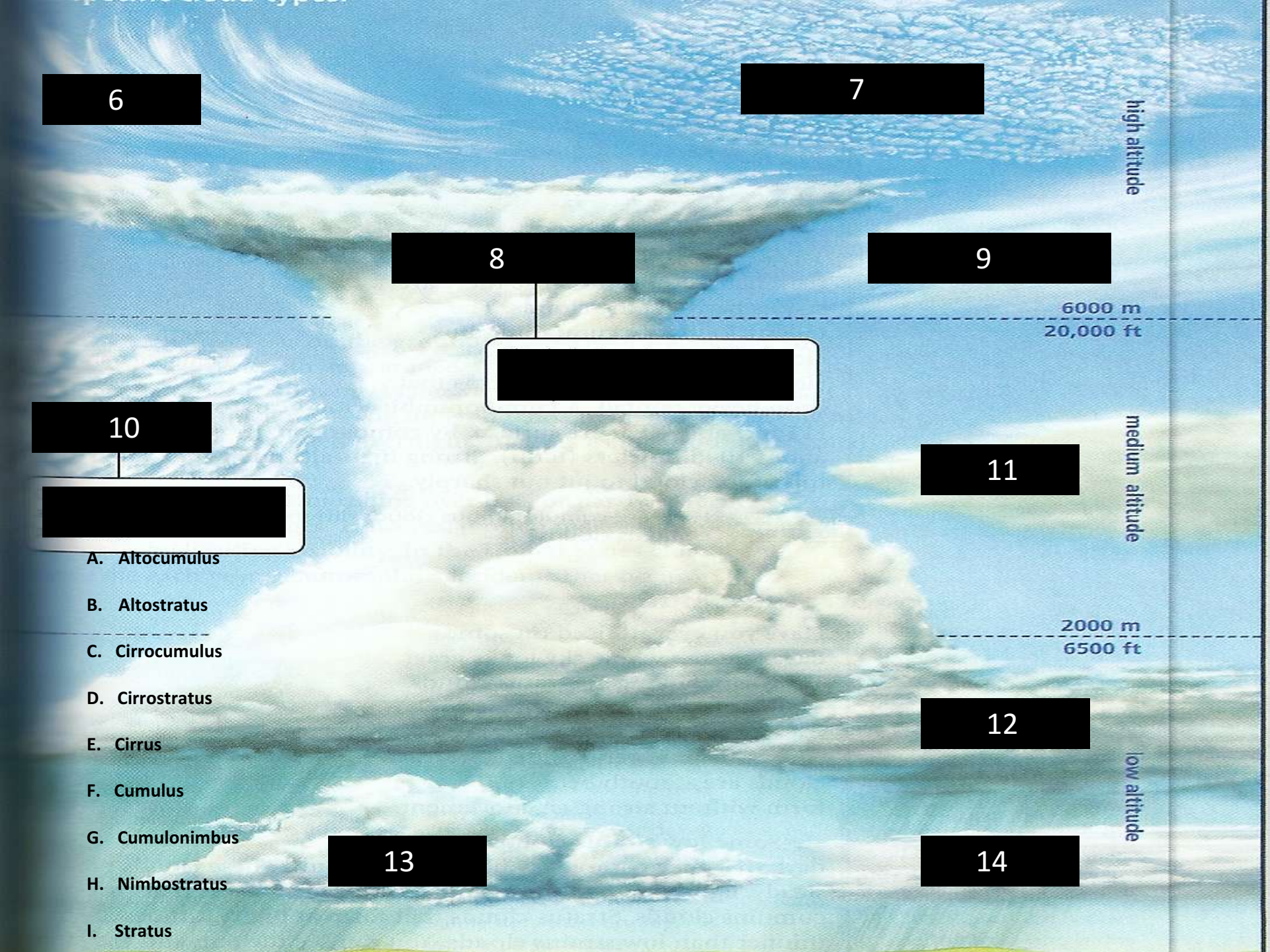
I. Stratus

12

low altitude

13

14

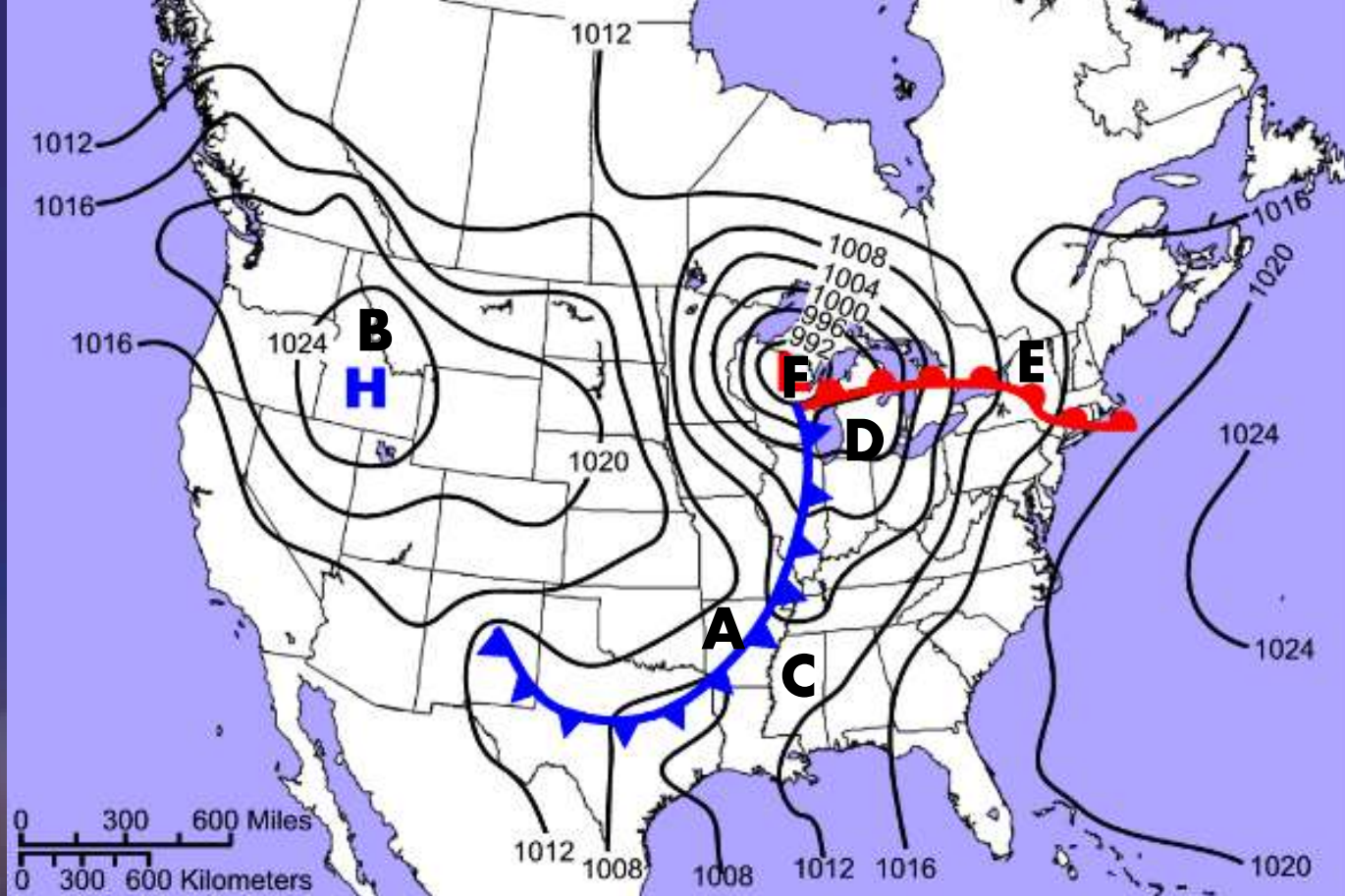


15. What is the name of this weather instrument?

16. Record the temperature in degrees Fahrenheit.

17. Record the temperature in degrees Celsius.





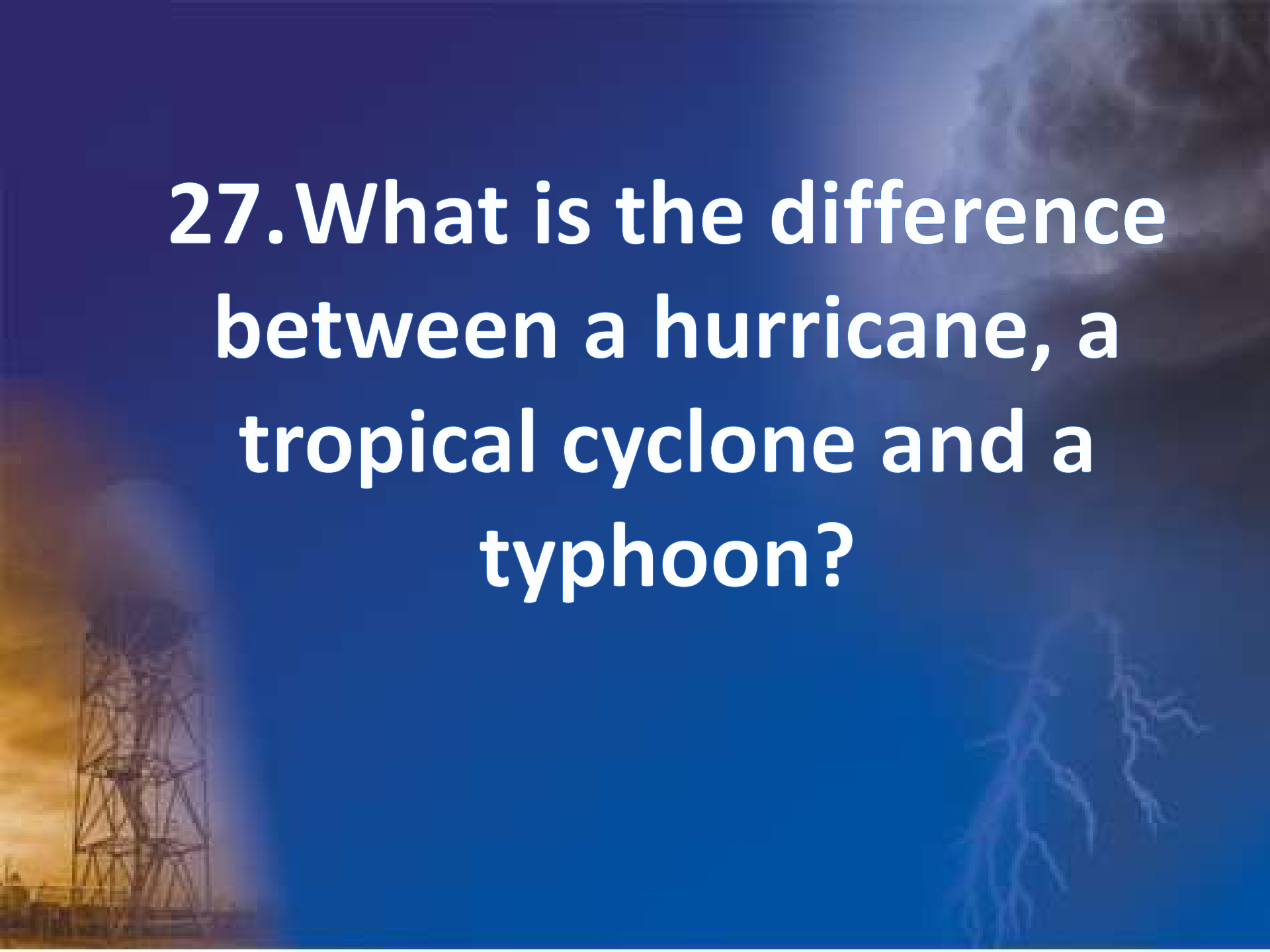
Use the map above, and the locations marked A-F, to answer the following questions.

18. The center of a low pressure system would be found at which location? _____
19. At which location(s) would you expect to see precipitation? _____
20. What is atmospheric pressure at location A? _____
21. What is the atmospheric pressure at location B? _____
22. What is the proper name for the contour lines on the map? _____
23. Which two locations would you expect to have the warmest temperatures? _____
24. Which location would you expect to have the lowest temperatures? _____
25. Which location would be most likely to experience the highest wind speeds? _____



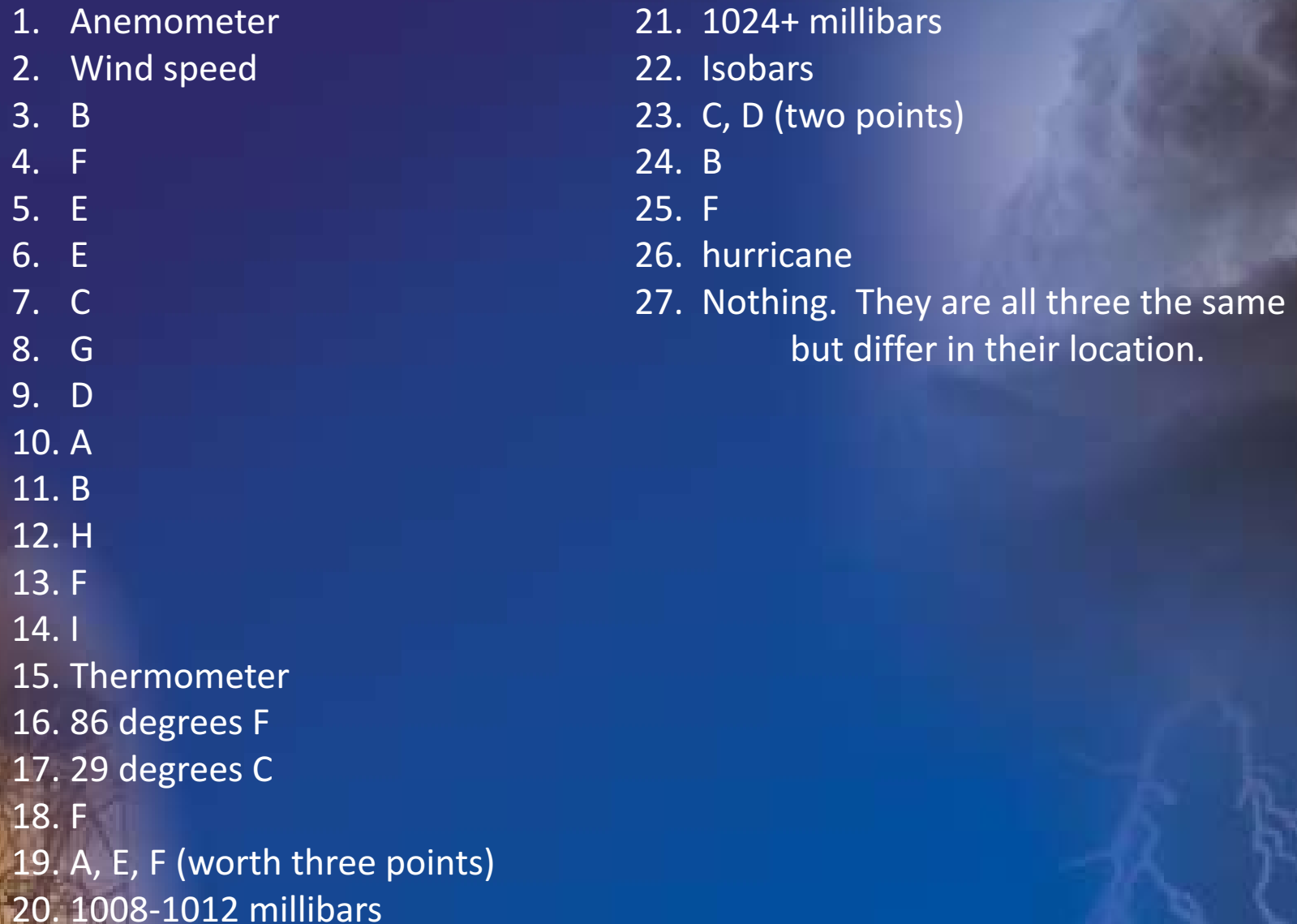
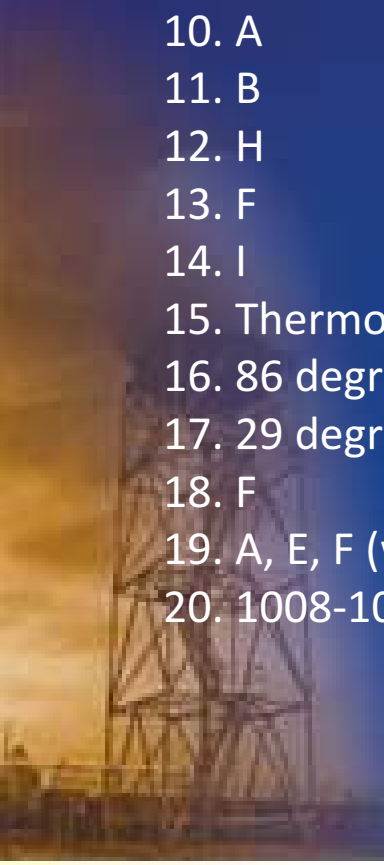
26. What is this a satellite image of?

27. What is the difference between a hurricane, a tropical cyclone and a typhoon?



Regional ESO Answers

30 possible total points
Time can be a tie breaker

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- 
1. Anemometer
 2. Wind speed
 3. B
 4. F
 5. E
 6. E
 7. C
 8. G
 9. D
 10. A
 11. B
 12. H
 13. F
 14. I
 15. Thermometer
 16. 86 degrees F
 17. 29 degrees C
 18. F
 19. A, E, F (worth three points)
 20. 1008-1012 millibars
 21. 1024+ millibars
 22. Isobars
 23. C, D (two points)
 24. B
 25. F
 26. hurricane
 27. Nothing. They are all three the same but differ in their location.