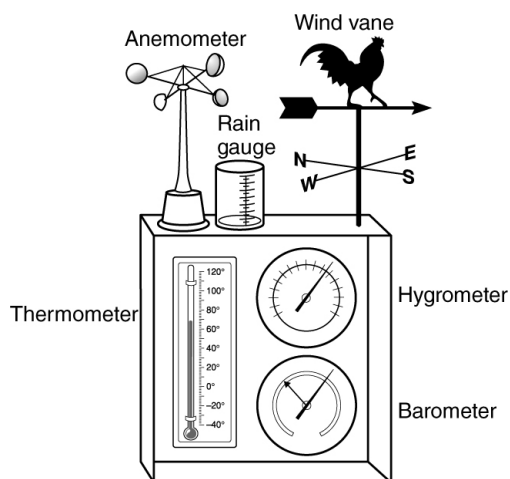


How Do Weather Patterns Help Us Predict Weather?

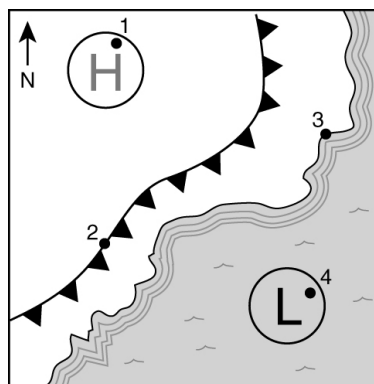
- 1 The following diagram shows instruments at a weather station.



Which weather instrument measures air pressure?

- (A) anemometer (C) rain gauge
(B) barometer (D) wind vane
- 2 Mary Ellen watches the weather report on the news. The announcer states that a high-pressure system is over the area. Which item should Mary Ellen take with her to the park?
- (F) raincoat (H) sunglasses
(G) snow boots (I) umbrella
- 3 Mark wants to measure the rate of air movement. Which weather variable should Mark measure?
- (A) wind speed
(B) air pressure
(C) air temperature
(D) relative humidity

- 4 The following map shows the weather conditions in a coastal area during a hot summer week.



At which point is relative humidity the highest?

- (F) point 1 (H) point 3
(G) point 2 (I) point 4
- 5 Michael packs a family preparedness kit for use in the event of a hurricane. Why should Michael include a portable radio and batteries in his kit?
- (A) Hurricanes commonly cause a break in water lines, which may make the water supply undrinkable.
(B) Hurricanes commonly cause a break in electrical lines, and Michael's family will need to listen to emergency announcements.
(C) Hurricanes commonly cause breaks in gas lines, which may prevent Michael's family from heating food.
(D) Hurricanes commonly cause flooding, and Michael's family will need to find the nearest evacuation route.