(1) What causes the wind to blow?

(Select the best answer.)

(A) Friction between air and the rotating earth.

(B) The rotation of the earth beneath moving air (the Coriolis effect)

(C) Ocean currents

(D) Gravitational attraction of the moon (atmospheric tides)

(E) Pressure differences in the atmosphere

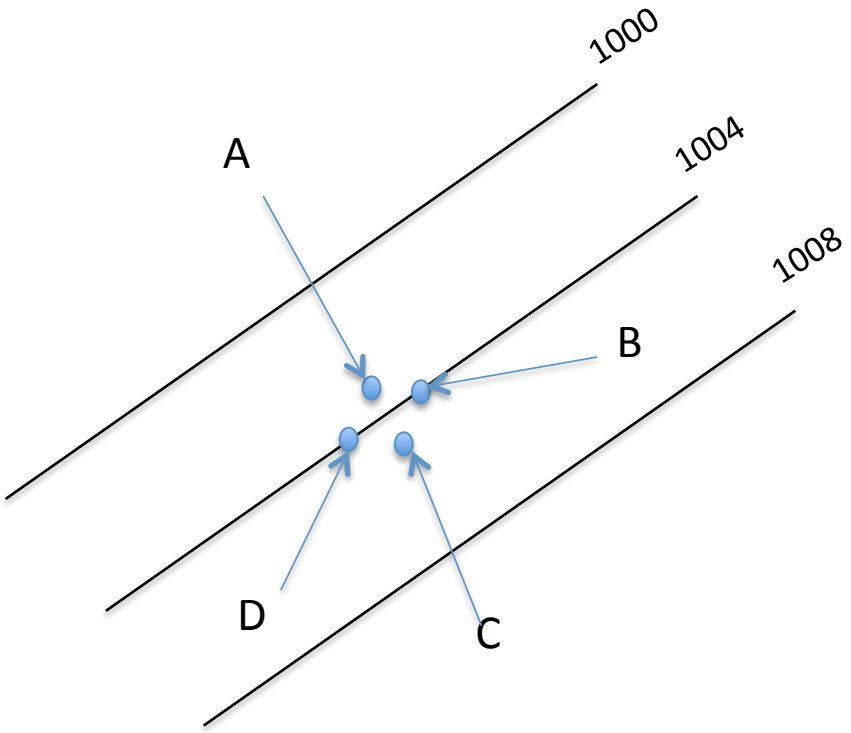
(2) On the pressure contour map below, where is the pressure the highest?
(Isobars are labeled in millibars.)

(A) At location A

(B) At location B

(C) At location C

(D) At location D



(3) The figure below shows a “parcel” of air (the circle) in a pattern of pressure revealed by labeled isobars.

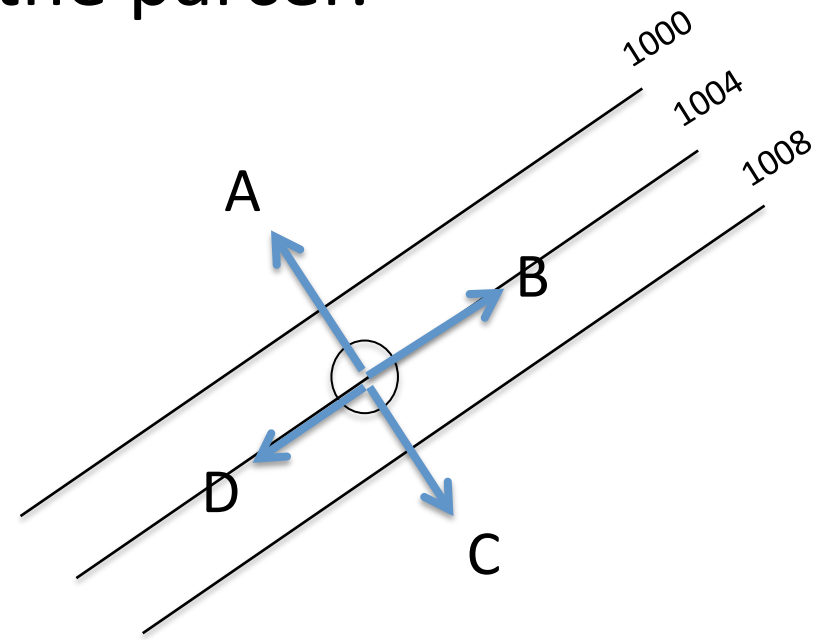
In which direction is the pressure gradient force pushing on the parcel?

(A) In direction A

(B) In direction B

(C) In direction C

(D) In direction D



(4) The figure below shows three "parcels" of air at different places. The pattern of pressure is revealed by labeled isobars.

Which parcel is being pushed the hardest by the pressure gradient force?

(A) Parcel A

(B) Parcel B

(C) Parcel C