

Your position X is at LAT 35°S. Which winds are you experiencing?

Note: Due to pressure gradients and the deflective forces of the earth's rotation the winds tend to move out from the center of a high-pressure system. Winds develop a counterclockwise motion in the Southern Hemisphere, and a clockwise motion in the Northern Hemisphere.

A. Northeasterly

Correct.

B. Northwesterly

Incorrect.

C. Southeasterly

Incorrect.

D. Southwesterly

Incorrect. The winds would be southwesterly at position X when due west of a low pressure system in the southern hemisphere.

