

Key terms

Atmosphere, Troposphere, Tropopause, stratosphere, mesosphere.

Thermosphere.

Circulation convection isobars pressure gradient ridge drop CO. L. Pressure gradient force Coriolis force frictional force. Sea breeze land breeze valley breeze mountain breeze mountain breeze katabatic wind.

Questions

Identify 4 major layers of the atmosphere depicted in the accompanying illustration.

Which layer of the atmosphere contains the most of the earth's weather.

What is the primary cause of changing climatic settings between weather reporting points.

True or false closely spaced isobars on a weather map is an indicator of light surface winds.

- What three factors affect the amount of deflection caused by a Coriolis force

Describe the frictional force causes wind to shift near the Earth's surface.

The following types of breezes with most appropriate descriptor.

Sea breeze

Land breeze

Valley breeze.

Mountain breeze

Occurs at night as land cools faster than water

Occurs.

Occurs during the day as the sun warms the mountain slopes.

Occurs at night as the high terrain cools relative to air over the valley.

Occurs during the day as the sun warms the land.