

# Stability Review

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***Which of the following increase in a rising parcel of air?***

- a. Saturation vapor pressure
- b. Relative humidity
- c. Mixing ratio
- d. Air temperature

***Which of the following decrease in a rising parcel of air?***

- a. Saturation vapor pressure
- b. Relative humidity
- c. Mixing ratio
- d. Air temperature

# Pressure Refresher

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***If one column of air is cold and another warm, the air pressure in the cold column will \_\_\_\_\_ the air pressure in the warm column.***

- a. decrease more rapidly with increasing height
- b. decrease less rapidly with increasing height
- c. increase more rapidly with increasing height
- d. increase at the same rate as

***Vertical motion above surface high and low pressure regions is driven by***

- a. the vertical pressure gradient force.
- b. the vertical temperature gradient.
- c. conservation of mass.
- d. all of the above.

# Monsoon Review

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***The winter monsoon in southeast Asia is characterized by***

- a. wet weather and winds blowing from land to sea
- b. wet weather and winds blowing from sea to land
- c. dry weather and winds blowing from land to sea
- d. dry weather and winds blowing from sea to land

***The onset of the North American monsoon is determined by***

- a. the location of the subtropical high
- b. the land temperature of Mexico and the southwest US
- c. the Gulf of Mexico and east Pacific ocean temperatures
- d. All of the above.