

Multiple Choice

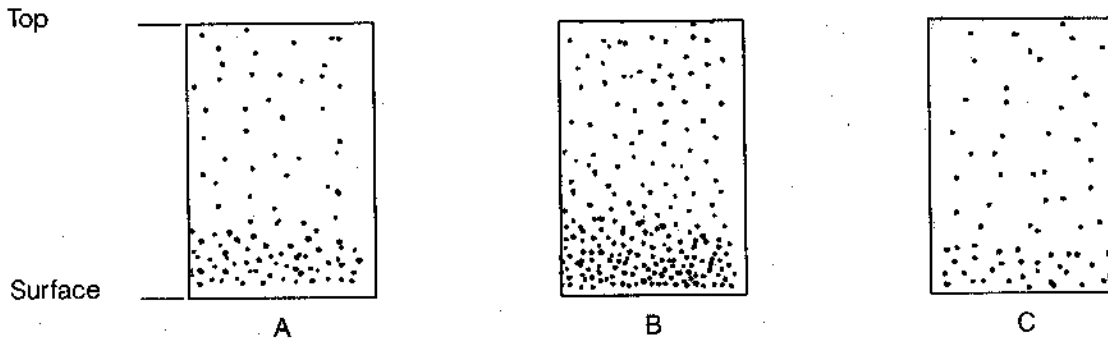


Figure 1

- In Figure 1, if the air temperature is the same in each column, which column has the highest surface air pressure? (Each dot represents billions of air molecules.)
 - column A
 - column B
 - column C
- The Coriolis force is strongest when the wind speed is _____ and the latitude is _____.
 - high, low
 - high, high
 - low, high
 - low, low
- Air is in hydrostatic equilibrium when the upward-directed pressure gradient force is balanced by the downward:
 - Coriolis force
 - pressure gradient force
 - gradient force
 - centripetal force
 - force of gravity
- The surface weather map is a sea level pressure chart. Thus, a surface weather map is also called:
 - a constant pressure chart
 - a constant height chart
 - an isobaric chart