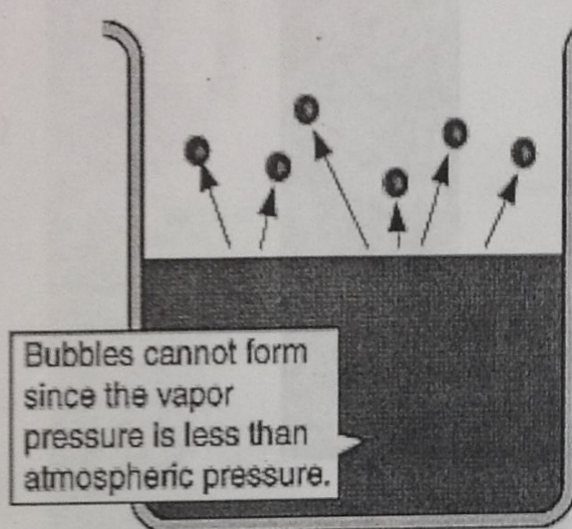


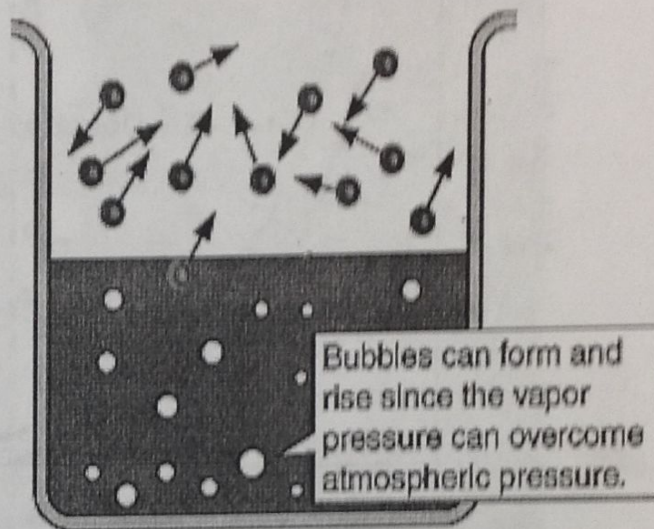
## TWO TYPES OF VAPORIZATION: EVAPORATION vs. BOILING

EVAPORATION



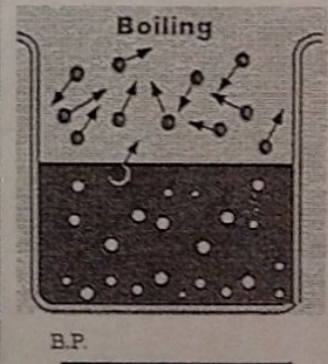
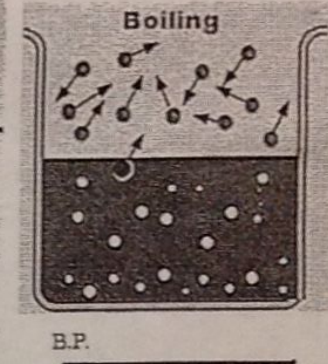
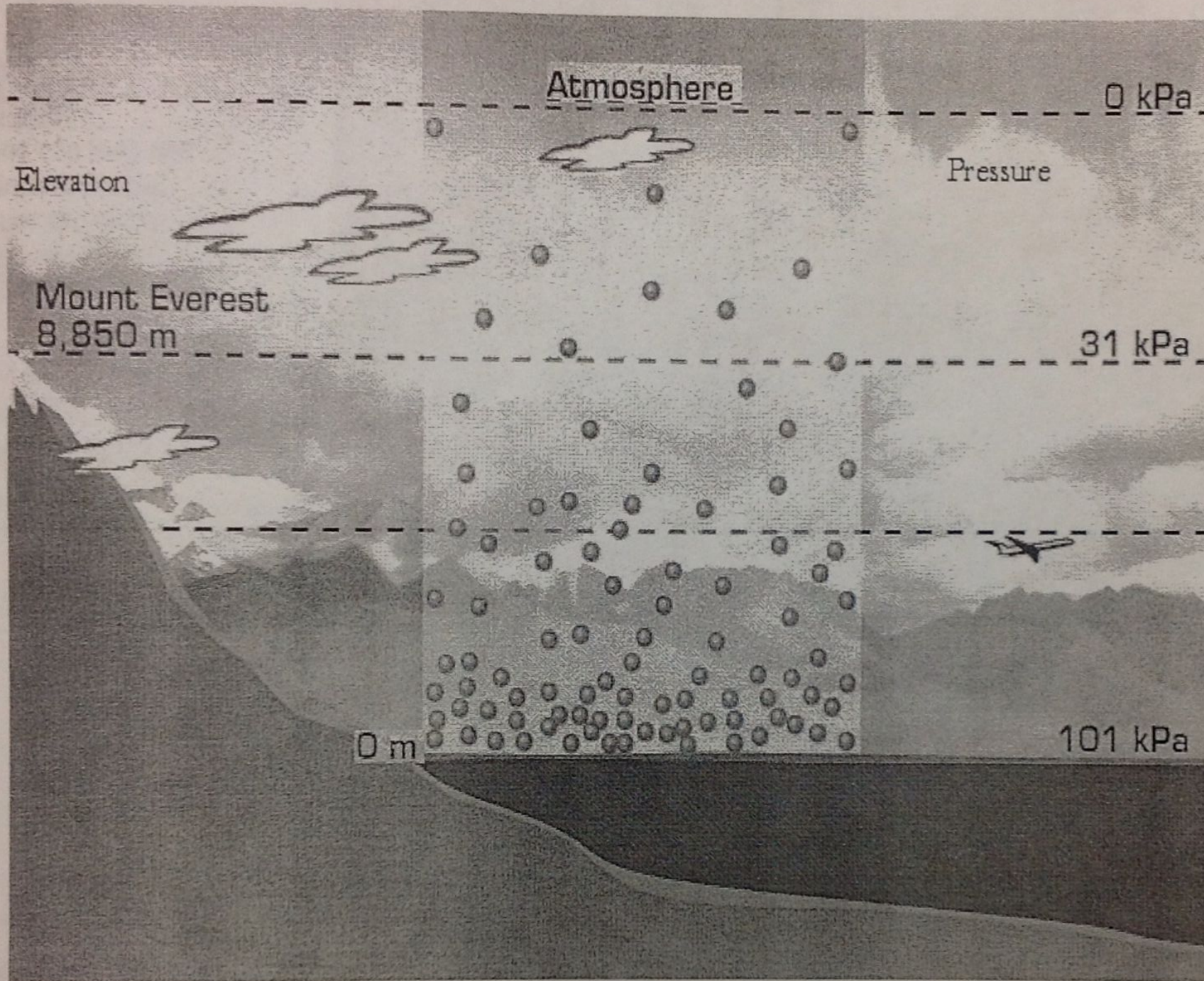
Boiling point temperature is reached only by A FEW MOLECULES, and ONLY AT THE SURFACE.  
OVERALL TEMP < BOILING

BOILING

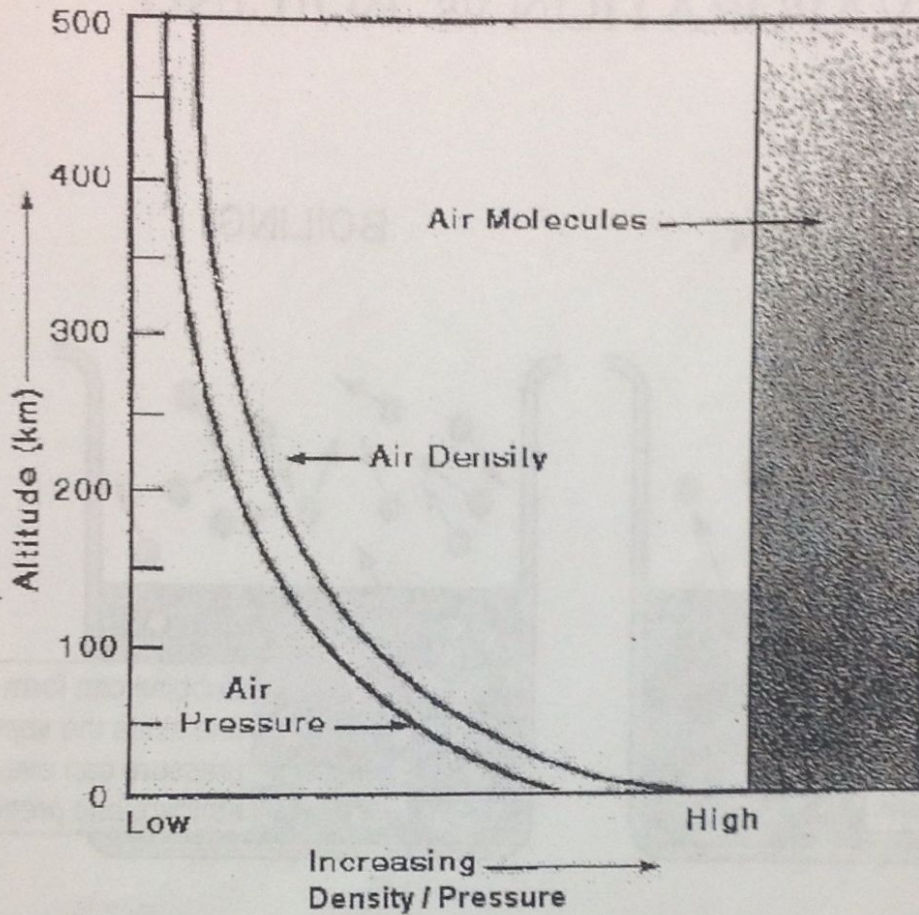


Boiling temperature is reached BY MANY MOLECULES THROUGHOUT THE LIQUID.  
OVERALL TEMP IS = THE BOILING POINT

# Elevation vs. Pressure vs. Boiling Point



# ALTITUDE, AIR DENSITY, AIR PRESSURE, AND BOILING



a. what does the above graph show about the density of the air as altitude & elevation (height above sea level) increase?

b. what does the above graph show about the air pressure as altitude & elevation (height above sea level) increase?

c. so, where on earth do air molecules "push harder" on objects: at high or low altitudes?

d. what effect would this have on the boiling point of water at:

1. high altitudes?

2. low altitudes?