

Name:

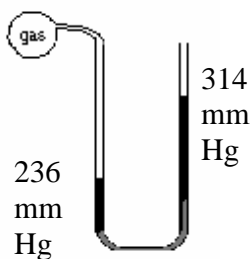
# Honors Chemistry

Section:

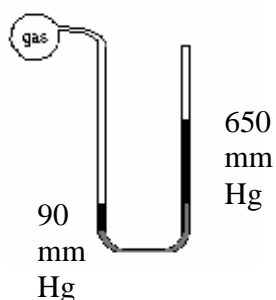
## Reading Manometers

There are two types of manometers. In the open type, air exerts pressure on the column of liquid in one arm of the U-tube, and the gas sample exerts pressure on the other arm. The difference in liquid level between the two arms is a measure of the gas pressure relative to the atmospheric pressure. The closed type has a vacuum above the liquid in one arm.

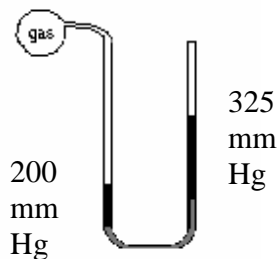
1.  $P_{\text{atm}} = 755 \text{ mm Hg}$



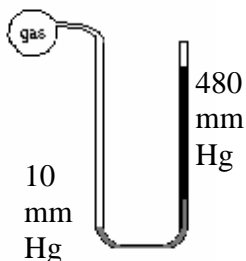
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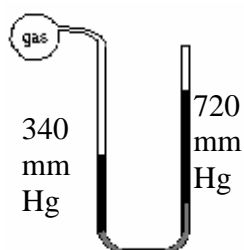
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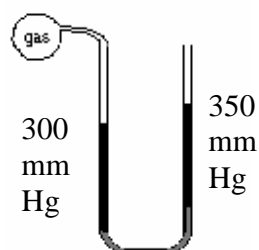
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5

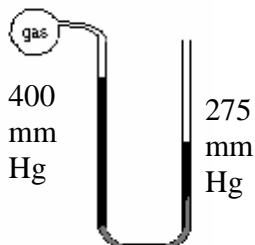


6  $P_{\text{atm}} = 747 \text{ mm Hg}$

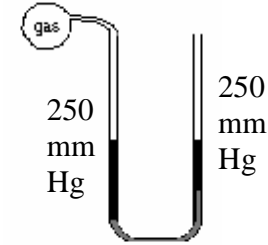


7

$P_{\text{atm}} = 740 \text{ mm Hg}$



8  $P_{\text{atm}} = 775 \text{ mm Hg}$



9

