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. Patm = 755 mm Hg 2 3

  

325

mm

Hg

200.

mm

Hg

650

mm

Hg

90

mm

Hg

236

mm

Hg

314

mm

Hg

4 5 6 Patm = 747 mm Hg

  

350.

mm

Hg

300.

mm

Hg

720

mm

Hg

340

mm

Hg

480

mm

Hg

10

mm

Hg

7 Patm = 740. mm Hg 8 Patm = 775 mm Hg 9

  

30.

mm

Hg

600.

mm

Hg

250

mm

Hg

250

mm

Hg

275

mm

Hg

400.

mm

Hg