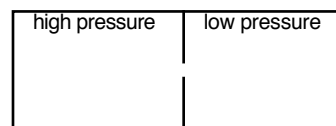


+WS 5.1 Kinetic-Molecular Theory of Gases / Pressure

1. Visit the class website & click on "kinetic molecular theory" under packet #5
Summarize the 5 points of the *kinetic-molecular theory* - in your own words:

- 1.
- 2.
- 3.
- 4.
- 5.

2. What is pressure? Which of the 2 points above accounts for pressure? _____
How exactly does a gas sample exert a pressure? Use diagrams, as was shown in class:



3. Use diagrams, as was shown in class, to illustrate how an inflated balloon stays stretched. (What are the gas particles inside doing to keep it inflated?) Also, explain what happened to the balloon in the bell jar:

- 4a. How does a suction cup work? Use diagrams:

- 4b. Calculate how many pounds a 5-in diameter suction cup could theoretically lift at sea-level:

5. How does a drinking straw work? Use diagrams:

6. How does a barometer work? Use diagrams. Why is mercury used instead of a cheaper liquid like water?