

## WS 6.1 Kinetic-Molecular Theory of Gases / Pressure

1. Visit the website linked in Schoology & read about the "kinetic molecular theory".  
Read & 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:

high pressure	low pressure

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 vacuum chamber:

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

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

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