

"If you haven't found something strange during the day, it hasn't been much of a day."  
-John A. Wheeler

Please take out your notes and homework. Any Questions?

# Pre-AP Chemistry

# Homework Quiz (You may use a calculator)

- Answer the following on your own piece of paper:
  1. Convert 545 mmHg to kilopascals.
  2. What type of relationship (direct, inverse or none) is there between the absolute temperature of a substance and the average kinetic energy?

# Homework for tonight

- Read/Take notes on chapter 10 sections 1 to 4
  - Do not worry about the sections discussing “Crystal structure and Unit cells” except for the end on “allotropes and amorphous solids”.
- Homework up through #43

1/7/09

# Movement of Stuff

# Complete the activity on the lab table in groups of 2 or 3.

- You need goggles for the experiment.
- Follow the instructions on the paper.
- Answer the following questions on a piece of paper and make sure all group member's names are on it. Turn in the paper.
  1. Describe in detail the changes you observed in the drops of BTB over time. Draw pictures to illustrate the change.
  2. Draw a series of pictures showing how one of the BTB drops might look over time if you could view the drop from the side.
  3. The BTB changed even though you added nothing to it. If the mixture in the center circle produced a gas, would this explain the change in the drops of BTB? Use kinetic theory to explain your answer.
  4. Translate the following words into a balanced equation: Sodium hydrogen sulfite reacts with hydrochloric acid to produce sulfur dioxide, water and sodium chloride.
- When you are finished, complete the lab handouts from this week.