

Today:

Take notes on your worksheet.

No notebook needed.

Friday's test can be viewed at
the end of the hour.

Name _____

Episode 5 - A Matter of State

February 10, 2014

GUIDED NOTES -

KEEP THESE TO MEMORIZE FOR QUIZZES + TESTS

SEE OUR CLASS WEBSITE IF YOU ARE ABSENT AND NEED TO WATCH THIS.

1. The video states that states of matter may be changed. What is needed to make this possible?
2. What is the relationship between the temperature and pressure of a gas?
3. Describe, at the molecular level, how temperature affects the pressure of a gas.
4. How does the collapsing can demo work. Draw diagrams of before, during, and after the heating.
5. How is liquefied natural gas produced?
6. What are some uses of liquid nitrogen?
7. Why does the process of perspiration cool a person?
8. Describe the element bromine in its three states.
9. What happens to the particles in bromine as it is cooled?
10. What does the shape of a crystal tell us about its internal structure?

Today's tug of war:

heat is vibrating particles,
shaking them apart

stickiness is holding them
together

Big idea that explains every thing in today's video.

Pre View the notes:

1) Circle the verb(s) in each question.

2) Underline substances.