**Name: Class Period:**

**Please complete the following questions on a separate sheet of paper or use the back of this paper**

**Read page 55-67.**

1. How do atoms and molecules move in solids, liquids, and gases?
2. Copy down all of the vocabulary words on page 55.
3. Explain the difference between dry ice and ordinary ice.
4. The molecules that make up a solid, like ice are \_\_\_\_\_\_\_\_\_ and can \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.
5. The molecules that make up a liquid, like water are \_\_\_\_\_\_\_\_ but can\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.
6. In your own words, explain figure 4.3 on page 58
7. Describe how temperature can affect states of matter.
8. In your own words, explain the description in figure 4.5a on page 60.
9. Describe how pressure can affect states of matter?
10. Pressure also affects boiling and melting points. How?
11. How can someone predict states of matter?
12. What is a state diagram?
13. Examine the blue description on page 62. What does the description say?
14. Different substances are different states under \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.
15. How is Gallium unique?
16. Copy down the key science concepts on page 64. “ EVERYTHING EXACTLY HOW YOU SEE IT”
17. Carbon dioxide is usually a gas unless \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.
18. How do scientist address the standard temperature and pressure challenges noted on page 65
19. Copy down the lesson summary on page 65. “EVERYTHING EXACTLY HOW YOU SEE IT”
20. Read pages 66-69. Summarize in 5 sentences what happens to matter at extreme temperatures.