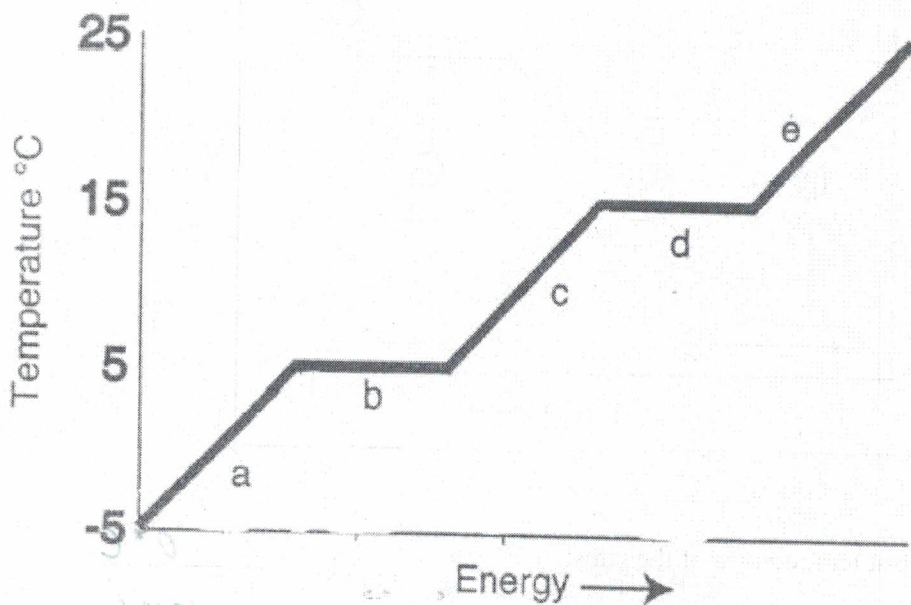


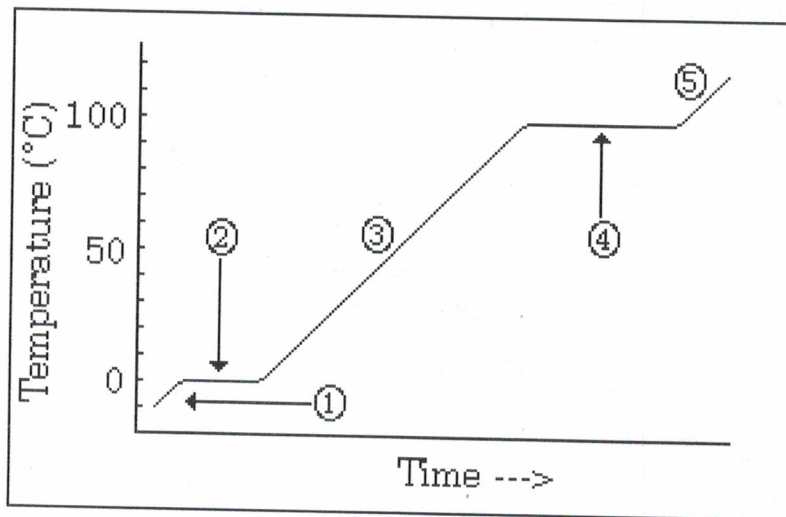
Heating Curves Worksheet

Answer questions #1-12 using the following heating curve.



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|--|----------------|
| 1. What is the freezing point temperature of the substance? | <u>5°C</u> |
| 2. What is the boiling point temperature of the substance? | <u>15°C</u> |
| 3. What is the melting point temperature of the substance? | <u>5°C</u> |
| 4. What letter represents the range where the solid is being warmed? | <u>a</u> |
| 5. What letter represents the range where the vapor/gas is being warmed? | <u>e</u> |
| 6. What letter represents the range where the liquid is being warmed? | <u>c</u> |
| 7. What letter represents the melting of the solid? | <u>b</u> |
| 8. What letter represents the vaporization of the liquid? | <u>d</u> |
| 9. What letter(s) show a change in potential energy? | <u>b, d</u> |
| 10. What letter(s) show a change in kinetic energy? | <u>a, c, e</u> |
| 11. What letter represents condensation? | <u>d</u> |
| 12. What letter represents freezing? | <u>b</u> |

Answer questions #13-24 using the following heating curve.



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|---|----------------|
| 13. What is the freezing point temperature of the substance? | <u>0°C</u> |
| 14. What is the boiling point temperature of the substance? | <u>100°C</u> |
| 15. What is the melting point temperature of the substance? | <u>0°C</u> |
| 16. What number represents the range where the solid is being warmed? | <u>1</u> |
| 17. What number represents the range where the vapor/gas is being warmed? | <u>5</u> |
| 18. What number represents the range where the liquid is being warmed? | <u>3</u> |
| 19. What number represents the melting of the solid? | <u>2</u> |
| 20. What number represents the vaporization of the liquid? | <u>4</u> |
| 21. What number(s) show a change in potential energy? | <u>2, 4</u> |
| 22. What number(s) show a change in kinetic energy? | <u>1, 3, 5</u> |
| 23. What number represents condensation? | <u>4</u> |
| 24. What number represents freezing? | <u>2</u> |