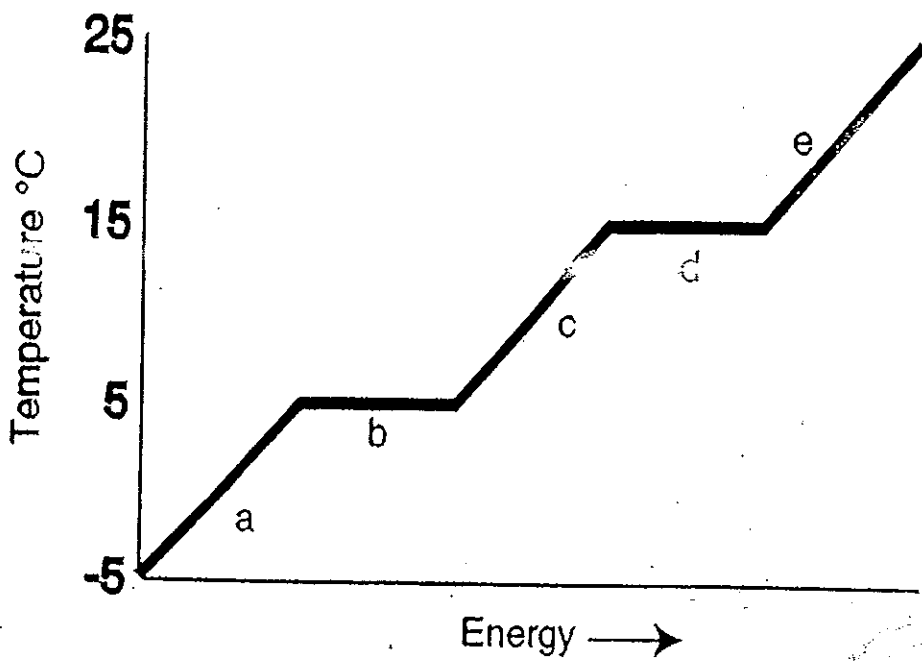


# POINT GRAPH

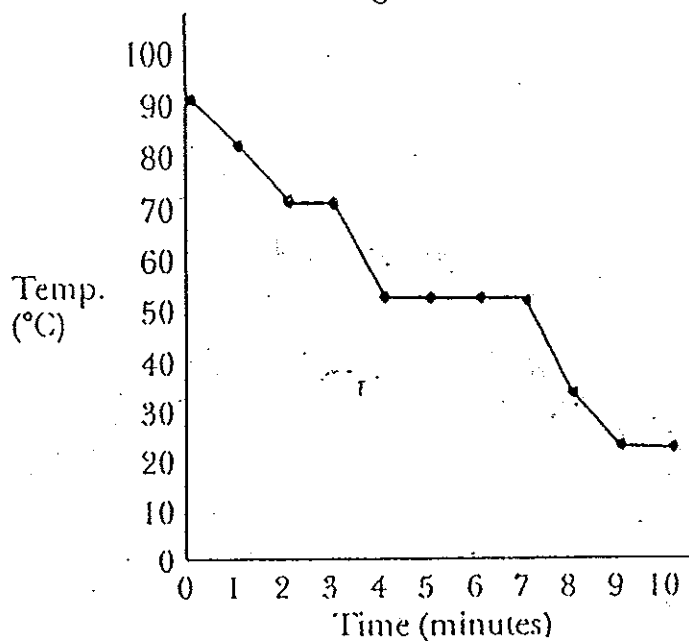


Answer the following questions using the chart above.

- 1. What is the freezing point of the substance? \_\_\_\_\_
- 2. What is the boiling point of the substance? \_\_\_\_\_
- 3. What is the melting point of the substance? \_\_\_\_\_
- 4. What letter represents the range where the solid is being warmed? \_\_\_\_\_
- 5. What letter represents the range where the liquid is being warmed? \_\_\_\_\_
- 6. What letter represents the range where the vapor is being warmed? \_\_\_\_\_
- 7. What letter represents the melting of the solid? \_\_\_\_\_
- 8. What letter represents the vaporization of the liquid? \_\_\_\_\_
- 9. What letter(s) shows a change in potential energy? \_\_\_\_\_
- 10. What letter(s) shows a change in kinetic energy? \_\_\_\_\_
- 11. What letter represents condensation? \_\_\_\_\_
- 12. What letter represents crystallization? \_\_\_\_\_

Directions: Using the graph, answer the questions that follow it.

Cooling of Substance Z



1. The title of the graph is \_\_\_\_\_
2. The two variables are \_\_\_\_\_ and \_\_\_\_\_
3. The unit for time is \_\_\_\_\_ and for temperature is \_\_\_\_\_
4. At 3 minutes it was \_\_\_\_\_ °C.
5. At 9 minutes it was \_\_\_\_\_ °C.
6. At 70°C the time was \_\_\_\_\_ minutes.
7. At 30°C the time was \_\_\_\_\_ minutes.
8. At what temperature did substance Z level off for 4 minutes?  
\_\_\_\_\_
9. What was the starting temperature of substance Z? \_\_\_\_\_
10. The total temperature loss for substance Z was \_\_\_\_\_