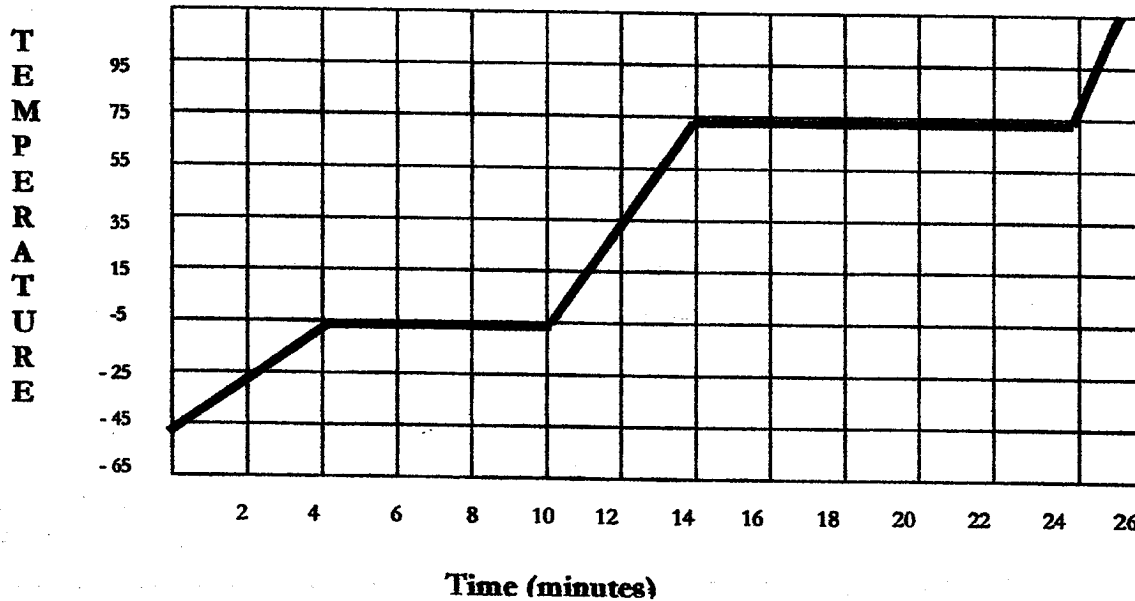


The melting point is _____. The boiling point is _____.

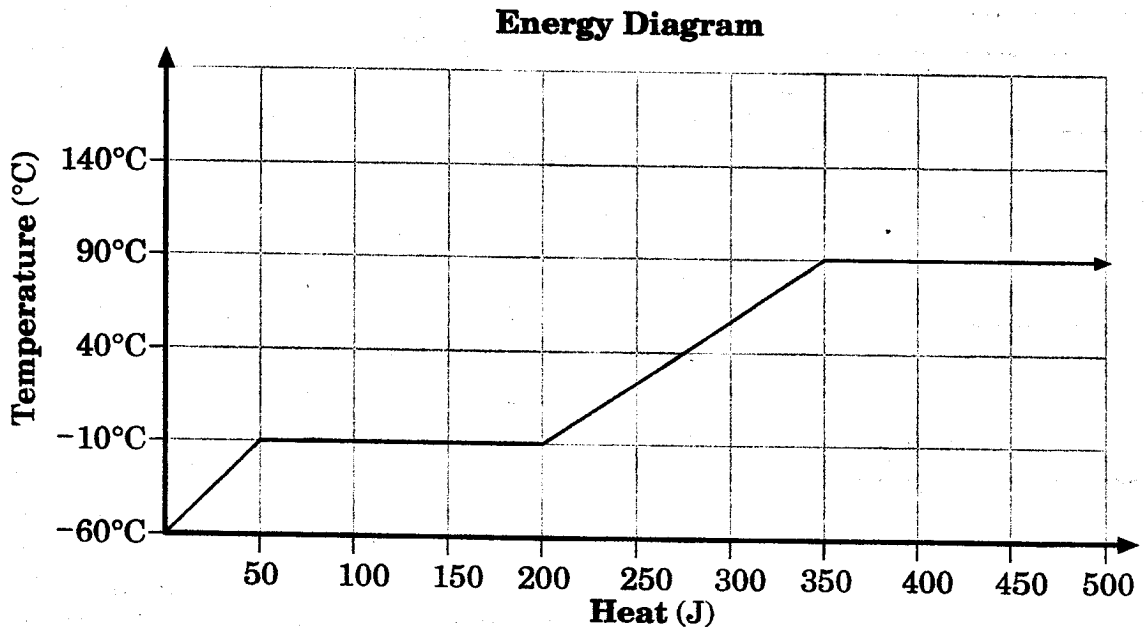
2. The time at which the liquid phase first appears is _____ minutes. The time at which the gas phase first appears is _____ minutes.

3. The sample is completely in the liquid phase between _____ and _____ minutes.

C. The following is a heating curve for substance X. 15.00 grams of substance X are heated at a constant rate of 500.0 joules/min.



20. A solid substance is heated at a uniform rate. This graph shows how the temperature of the substance changes as heat is added.



According to the energy diagram shown, the substance will boil at what temperature?

- A -60°C
- B -10°C
- C 90°C
- D 140°C