

## Answer on Question 62221, Physics, Other

### Question:

4) The phase change in which a substance changes from a liquid to a solid is

a) freezing

b) melting

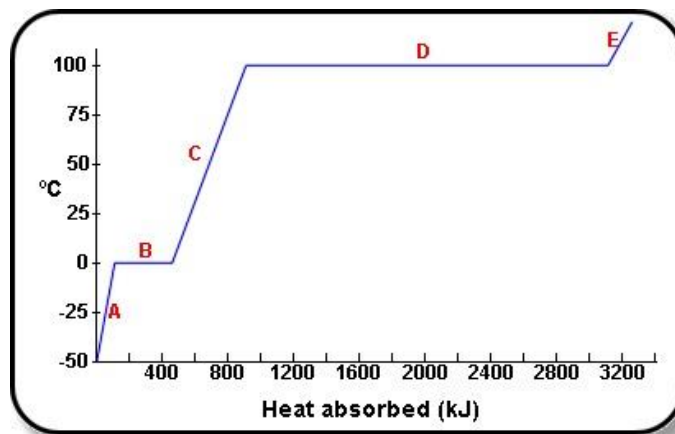
c) sublimation

d) condensation

### Answer:

The phase change in which the substance changes from the liquid to the solid is freezing. Thus, the correct answer is a).

5) Use the graph below to answer the question:



What process is occurring during section "B" of the above graph?

a) condensation

b) melting

c) freezing

d) vaporization

### Answer:

As we can see from the graph, during section “B” occurs the absorption of latent heat of fusion to change the phase from the solid (ice) at  $0^{\circ}\text{C}$  to the liquid (water) at  $0^{\circ}\text{C}$ . The phase change in which the substance changes from the solid to the liquid is melting. Thus, the correct answer is b).

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