23. (a) The diagram in **Figure 9** below shows a metal bar with 3 pins that have been attached to it at **X**, **Y** and **Z** by **wax**.

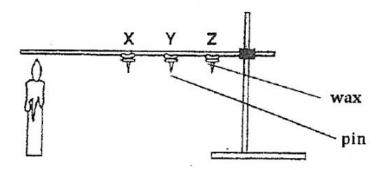
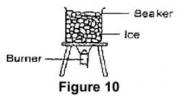


Figure 9

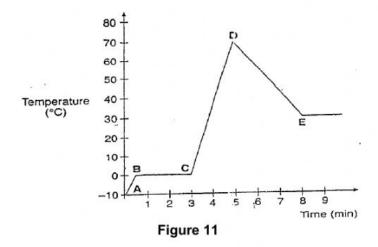
Which pin falls first?	
Which pin falls last?	
Where does the heat come from?	
In the metal bar, does the heat flow from Z to X or	r from X to Z ?
List two conductors of heat.	
1	
2	



(b) Alex took some ice cubes from freezer compartment of a refrigerator. He heated the ice as shown in **Figure 10**. After a while he stopped heating.



Then he gathered the information and plotted a graph in Figure 11 below.



Study the graph in Figure 11 and then answer the following question.

Which part of	the graph, AB, BC, CD or DE shows:	
(a) The meltin		
(b) The cooling	g of hot water at room temperature?	

