NAME:	 	 
CULOOL .		

**DATE:** .....

## SIMPLE CLASSIFICATION OF SUBSTANCES

## **INSTRUCTIONS TO CANDIDATES**

Answer ALL questions in this paper in the spaces provided.

1. The curve shown below was obtained when solid naphthalene was heated to boiling.



(ii) DE	(1mark)
(b) <b>What</b> is the significance of portion <b>BC</b> ?	( 1mark)

Element X contains isotopes with mass number 16 and 18 respectively existing in the ratio
1: 3. Calculate the relative atomic mass of X.

(2marks)

3. Matter exists in three states which can be related as shown in the diagram below.



4. A Student in form four placed a thermometer in molten naphthalene at 85°C and recorded the temperature and time until the naphthalene solidified. From the values obtained, the figure below was drawn.

