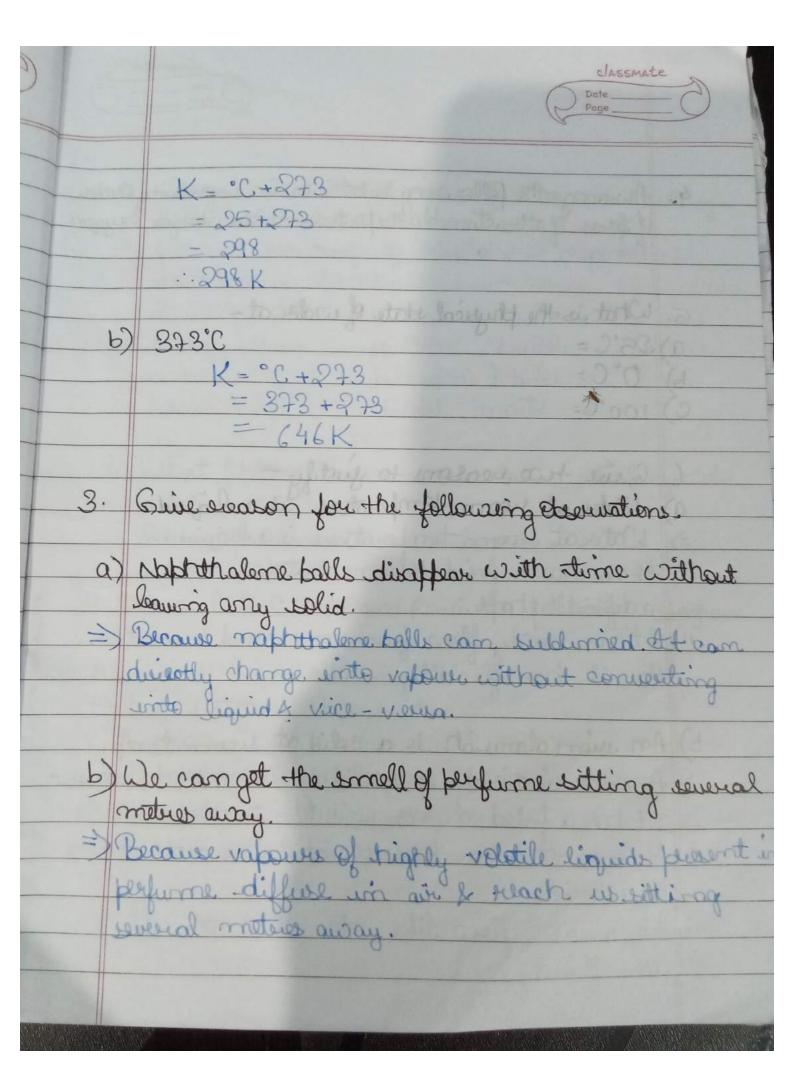
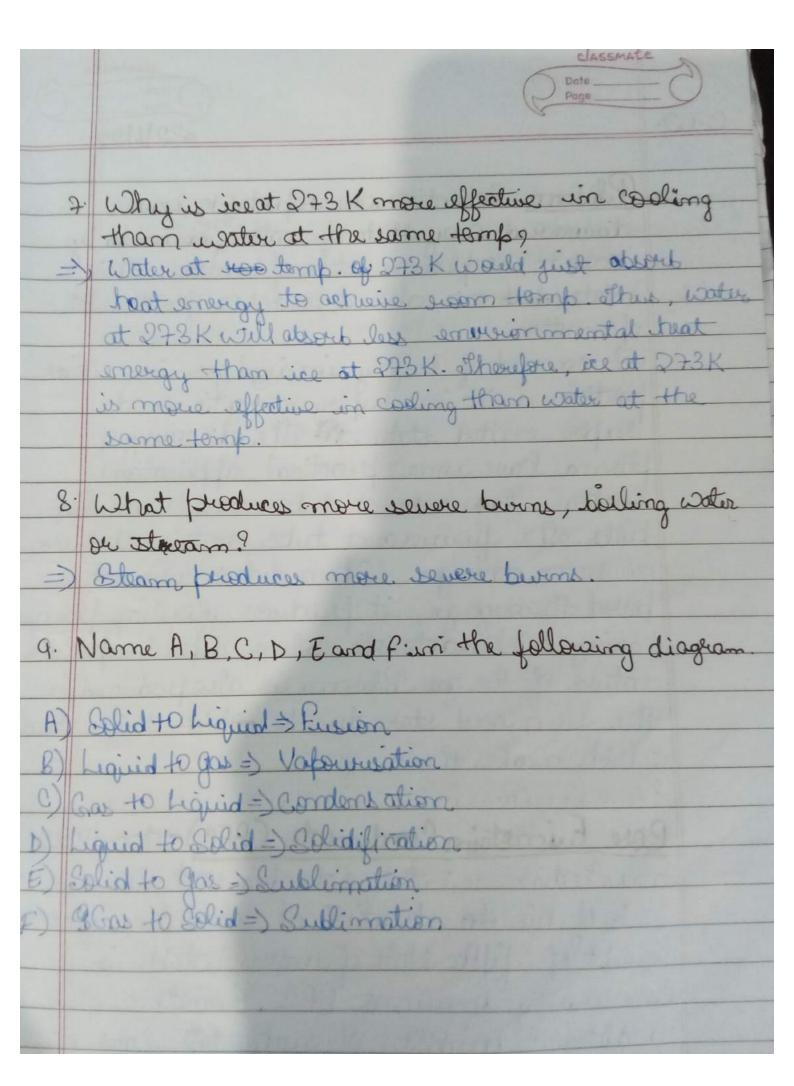
18/5/22 C.W. Exercises Convert the following temperatures to the celcius Scale. a) 293 K K= °C+273 293K='C+273 ·C = 293-273 °C = 20 6)470K K= °C + 273 470K= °C+273 °C = 470-273 °C = 197 2. Convert the following temperatures to the a) 25°C



classmate 4: Awange the following substances in increasing Order, orygen of forces of attention blu the particles - water, sugar, orygen 5. What is the physical state of water at a) D5°C = liquid b) O°C = tolid (ice), liques C) 100°C= Steam, liquid 6 Give two seasons to justify -a) Water at soom temperature is a liquid =) Water at room temperature is a liquid: 1) It is has a fixed volume but does not have adefinite shape. 11) It can easily flow from one versel to another So, it has fluidity drest made to bild a di himmle main mA (d =) A vien almirch is a solid at secon temp because 1) It has a fixed volume and definite stabe. w) It can not be compassed and it has distinct in) It can not flow like water. So it does not



Page 22 6 22

C.12.

Plasma - Scientists are reported to have discovered any state of matter commonly known as plasma state of matter. This thate does is also known as fourth state with mi dog by imight fortaines Super excited states. Att of the discovery of plasma have some practical applications Such as planurescent tubes and near sign bulbe ofthe flowerent tubes contains on some other gas. When electric current is somed free comband times applicated bestood attempte evalue attitud a printe nature of the gas. Plasma is also produced in and spirk sind of sub sote bora much is which makes them glow.

Bose Eximptein Condonsate (BEC) - In 1920, - an Indian scientist batendra North Bose on the basis of his the structistical calculation gave a concept of fifth state of matter which is commonly known as BEC. Exemptein also prodicted the possibility of such state fater on

