

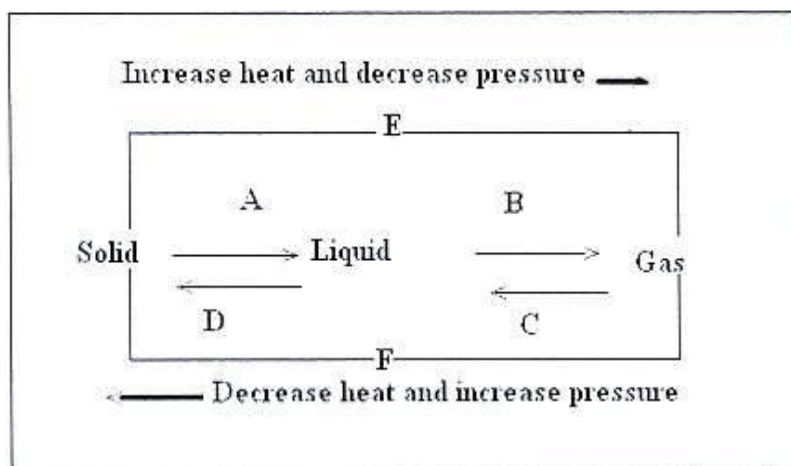
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Short Answer Questions (2,3 Marks Each)

- Q. (VII) What is evaporation? What are the factors affecting evaporation?
- Q. (VIII) Suggest separation techniques to be employed to separate the following mixtures
- a) Mercury and Water
 - b) Ammonium Chloride and Salt
 - c) Common Salt, Water and Sand
 - d) Cream from Milk
 - e) Nitrogen and Air
- Q. (IX) a) Why does the temperature remain constant at melting point?
- b) Doctors advise to put strips of wet clothes on the forehead of a person having high temperature, why?
- Q. (X) Comment on the following.
- a) Evaporation causes cooling.
 - b) Sponge is a solid but still compressible.
- Q. (XI) Differentiate between the following
- a) True solution and Colloid.
 - b) Homogenous and Heterogeneous mixture.
 - c) Compound and Mixture.
- Q. (XII) A Solution has been prepared by mixing 5.6ml of alcohol with 75ml of water. Calculate the percentage (by volume) of alcohol in the solution.
- Q. (XIII) Calculate the mass of sodium sulphate required to prepare its 20% (mass percent) Solution in 100g of water

- Q. (XIV) Using a flow chart show the process of obtaining different gases from air.
- Q. (XV) With the help of a labelled diagram, Describe an activity to show can you separate two immiscible liquids.
- Q. (XVI) What is the chromatography? What type of substances are commonly separated by this process?
- Q. (XVII) Give reasons for the following
- a) Water kept in an earthen pot become cooler during summer
 - b) We are able to sip hot tea or milk faster from a saucer rather than a cup.
- Q. (XVIII) Name A, B, C, D, E & F in the following



By

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IX- X -Boys