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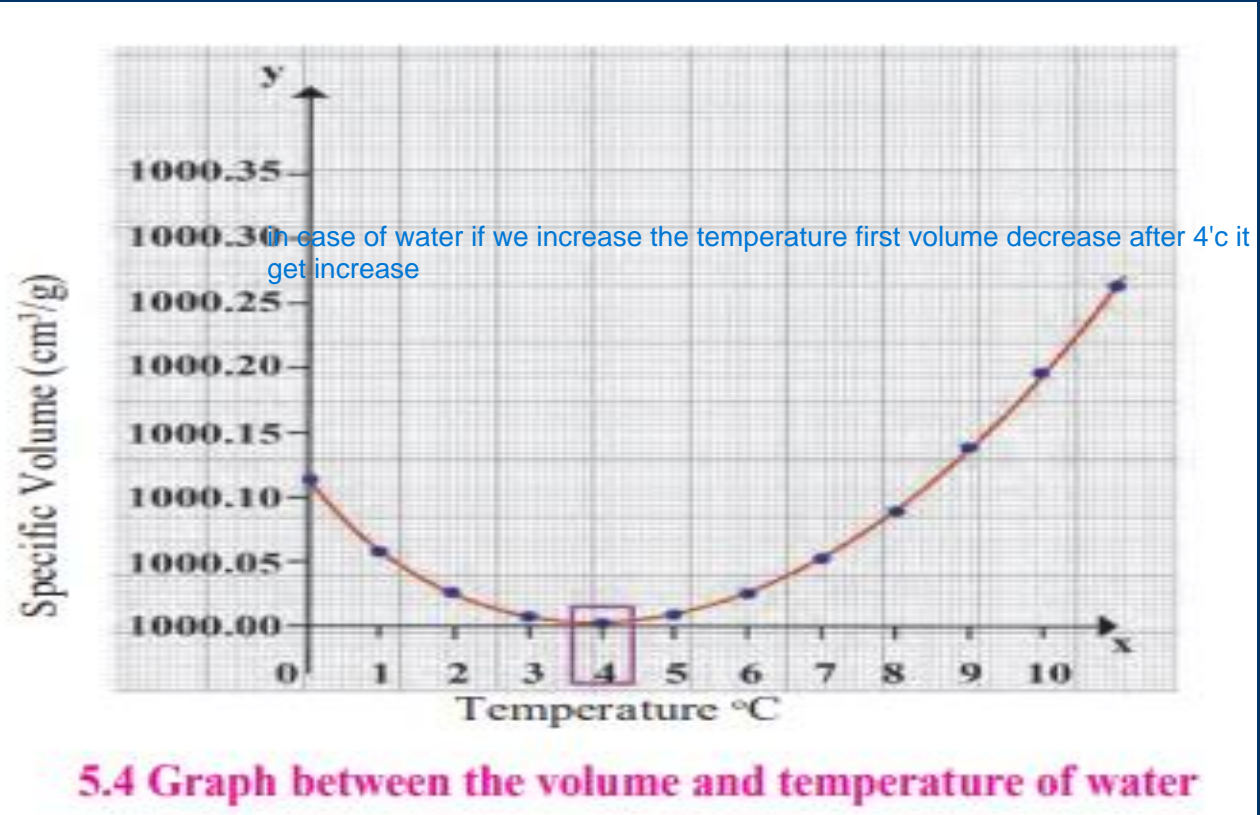
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Anomalous behaviour of water

a one such condition if we increase temperature ,volume may be increased or decrease



If ice melts , its temperature decreases

not decrease it increase

What is Dew point?

Suppose unsaturated air at a certain temperature is taken and its temperature is decreased, a temperature is reached at which the air becomes saturated with vapour. This temperature is called the dew point temperature.

HUMIDITY--The mass of vapour present in a unit volume of air is called absolute humidity.

Heat required to increase the temperature of 1 gram ice (0 degree celcius) upto 100 degree celcius. -----720 J

Ethylene glycol is used as anti freeze agent

Ideal temperature to keep food eatable----- minus 4 degree celcius

When we put moisturised biscuits in frize , then moisture is eliminated

Why ice piece cools the liquid?

because ice gets heat from liquid to convert itself in liquid.

CFC is used in refrigerators

IT CAUSE DEPLETION OF OZONE LAYER

When a glass rod is kept in vapour its length and breadth both increases.

Why we don't keep water filled glass bottles in Refrigerators?

A glass bottle completely filled with water should not be kept in a freezer because the bottle can break and result in damage. We know that water expands after freezing and if a completely water filled glass bottle is placed in freezer, the water would freeze and would expand resulting in the bottle to break.

Why fog is not formed in speedy wind nights ?

Higher wind speeds can prevent fog formation or disperse existing fog. Wind helps mix the air, preventing it from cooling and reaching the dew point (the temperature at which air becomes saturated with moisture and condensation begins).

When we mix salt to water its boiling point increases.

it occurs because the presence of solute particles (in this case, salt molecules) disrupts the normal boiling process.

Why we wear white colour in summer ?

Why fish does not inside a freezed lake?

fish are adapted to survive in cold water but cannot survive inside a completely frozen lake because of the limited oxygen availability, extreme temperatures, limited mobility, and reduced food sources associated with such conditions. Fish species that inhabit cold regions often have adaptations to deal with winter conditions, such as seeking out areas with open water or slowing down their metabolism during periods of ice cover.

Handle of pressure cooker is made up of ebonite

Why we feel more heat in a cloudy night ?

on a cloudy night, the insulating properties of cloud cover, greenhouse effects, and higher humidity levels can lead to a reduction in the rate of cooling of the Earth's surface, making it feel warmer compared to a clear night when heat is radiated more efficiently into space.

Thank you 😊

Ask Doubts at : doubts.studyiq@gmail.com

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