

## ch-3 Matter

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5. How is ~~con~~interconversion of states of matter different from a chemical reaction?

Ans- During interconversion of states of matter composition of substance remains the same matter changes from one state to another and back to the original state, ~~to~~ while chemical reaction involves re-arrangement of the molecules structure and composition changes.

6. ~~As a liquid~~ How does a liquid change into the gaseous state? Explain

Ans- As a liquid is heated, its particles

starts gaining energy and move more vigorously which increases the gaps between the particles and decreasing the force of attraction. Ultimately liquid changes into gaseous state.

7. Water cycle is an example of interconversion of states

Water from oceans, rivers lakes form leaves of trees (transpiration) changes into vapours when the temperature increases or evaporates and enters the atmosphere as cloud

When the temperature falls open the vapours change into the water and some of it in the form of snow fall on mountains and earth in the ~~the~~ form of water. ~~any~~.

8 What happens to a metal ball when it is heated? What does this show?

Ans- When metal ball is heated, it expands. ... Now heat the metal ball for 5-6 minutes. The hot ball is not be able to pass through the ring. This shows that solid expands on