



# CHEMISTRY

## BOOKS - V PUBLICATION

### THE ESSENCE OF CHANGE

#### Question Bank

1. The blister caused by steam is more severe than the same caused by boiling water at the same temperature. Do you agree with the

statement? Justify the statement on the basis of physical change



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2. We know that heat is emitted along with light when a bulb glows. LED lamps are better than filament bulbs for maximum reduction in the consumption of electrical energy. Explain. Are there situations where filament bulbs are used for producing light energy? Give examples.



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3. Identify the situations where electrical energy is stored up as chemical energy.



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4. You can make a small generator to convert mechanical energy into electrical energy.

Materials Required: A mini: motor, two pieces of thin wire, LED: (low voltage).  
Method of construction,; - Connect the two terminals of a

mini motor to an LED - using two thin wires. With your hand, turn, the projected shaft of the mini motor on a table or a bench, will enable the LED glow brightly. .



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5. Metling of wax is a .....



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6. ....is the source of many forms of energy



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7. An example of fossil fuels



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8. The tertiary follicle further changes into  
mature follicle called



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9. Rusting of iron is a .....



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10. Plants convert.... . Into chemical energy through photosynthesis



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11. Example for chemical change



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12. In the process of burning of fuel chemical energy is changed into heat and .....energies



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13. Substance which liberate a lot of heat while burning are called.....



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14. .... energy is needed for the of an engine of vehicles



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15. Digestion of food, Condensation of clouds lead to rain, Rusting of iron, Bruning of candle



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**16.** Evaporation of water, Melting of ghee,  
Rusting of iron, Dissolving sugar in



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**17.** Petroleum, Natural gas, Coal, Biogas



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**18.** Find out the energy changes in the  
following statements? An electric bulb is lit

Burning of firewood Photo synthesis While working an electric motor A cracker is bursting



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**19.** How does coal, petroleum and natural gas are produced?



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**20.** The energy sources like sunlight, wind, water and biogas are used more. Why?



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21. Find out the situations where solar panels are made use of and list them:



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22. What are the solutions to solve the problem of energy crisis?



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**23.** Melting of ice is a physical change while burning of magnesium is a chemical change. Why?



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**24.** Explain why burning of wood and cutting it into small pieces are considered as different types of changes?



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**25.** Curdling of milk is a permanent Change

Why?



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**26.** Write any two changes which are harmful in our daily life. Explain why you consider them harmful?



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**27.** Find out the energy changes in the following statements?



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**28.** When a mixer grinder is works on, electrical energy [s transferred to me- chanical energy, sound energy and heat energy. Write down the principle behind it?



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**29.** "Sun- An unending source of energy. Are you agree with the statement?



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**30.** Give the important properties of physical changes?



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