



# CHEMISTRY

## BOOKS - JNAN PUBLICATION

### MATTER(CHEMICAL REACTIONS)

#### Example

1. Which of the following is oxidizing agent:

A.  $Cl_2$

B.  $H_2S$

C.  $H_2O$

D.  $NH_3$

**Answer:**



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2. Which of the following is not an enzyme

A. Amylase

B. Lipase

C. Carbohydrate

D. Ranine

**Answer:**



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3. Which gas is used for welding\_\_\_\_\_

A.  $Cl_2$

B.  $O_3$

C.  $CH_4$

D.  $C_2H_2$

**Answer:**



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4. If limestone is heated we get \_\_\_\_\_

A. slakelime

B. quicklime

C. carbon

D. carbon-monoxide

**Answer:**



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5. If kerosene oil is heated we get \_\_\_\_\_

A. heat

B. light

C. heat and light

D. none of the above

**Answer:**



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6. Carbon dioxide turns clear lime water \_\_\_\_\_

A. red

B. blue

C. milky

D. colourless

**Answer:**



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7. Ionic compounds, are more soluble in

-----

A. ether

B. benzene

C. chloroform

D. water

**Answer:**



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8. Which of the following is true\_\_\_\_\_

A. enzymes are indispensable in digestion  
of food

B. enzymes are required to produce energy  
from food

C. without enzymes no cell can survive

D. all the above statements are true.

**Answer:**



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**9. State whether True or False:**

Energy is required to initiate a chemical reaction.



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**10. State whether True or False:**

Water is the only solvent.



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**11. State whether True or False:**

Kerosene and benzene can dissolve ionic compounds.



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**12. State whether True or False:**

The action of catalysts is called catalysis.



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**13.** State whether True or False:

Most of the enzymes are protein in nature.



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**14.** State whether True or False:

Rusting of iron is a physical reaction.



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**15.** State whether True or False:

Combustion of yellow-coloured sulphur powder in the combustion spoon will produce sulphur dioxide.



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**16.** State whether True or False:

For extraction of metal from its ore, a process of oxidation is taken help of.



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**17.** State whether True or False:

Oxidation can not occur alone in any reaction, reduction must occur along with it.



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**18.** State whether True or False:

A coating of synthetic enamel paint on iron can prevent rusting.



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**19.** Fill in the blanks:-

Chemical participating in a reaction are called \_\_\_\_\_.



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**20.** Fill in the blanks:-

Renine is a \_\_\_\_\_ breaking enzyme.



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21. Fill in the blanks:-

\_\_\_\_\_ is needed in combustion.



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22. Fill in the blanks:-

The supply of oxygen in atmosphere is due to

\_\_\_\_\_.



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**23.** Fill in the blanks:-

Baking soda is an \_\_\_\_\_ compound.



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**24.** Fill in the blanks:-

Substances that can speed up specific chemical reactions are called \_\_\_\_\_.



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**25.** Fill in the blanks:-

Ammonium makes the phenolphthalein solution \_\_\_\_\_.



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**26.** Fill in the blanks:-

Burning of any fuel is \_\_\_\_\_.



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27. Match the following:

Column A	Column B
a) In acid phenolphthalein is	i) reducing agent
b) Phenolphthalein is a	ii) exothermic
c) Carbon monoxide is a	iii) colourless
d) $\text{Cl}_2$ is a	iv) exothermic reaction
e) Burning of any fuel is	v) melts iron
f) Burning of $\text{C}_2\text{H}_2$ (acetylene gas)	vi) indicator
g) Heat and light during welding come from	vii) oxidising gas



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28. Give an example of a catalyst.



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29. Give an example of positive catalyst.



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**30.** Give an example of negative catalyst.



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**31.** Write a name of enzyme.



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**32.** Write a name of protein breaking enzyme.



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**33.** Write a name of lipid breaking enzyme.



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**34.** Write a carbohydrate breaking enzyme.



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**35.** carbohydrate type of food lastly turns into what?



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**36.** What we lastly get from protein type of food?



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**37.** What is end product of fat with fat breaking enzyme?



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**38.** Name some solvents.



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**39.** Define reactants.



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**40.** Give an example of ionic compound.



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**41.** What are catalysts?



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**42.** What is endothermic reactions?



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**43.** What happens when parafin, kerosene, cooking gas are burnt?



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**44.** Which living things can make food through photosynthesis?



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**45.** Why do you think are there 'dark rooms' in studios?



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**46.** Why solvent is necessary in a chemical reaction?



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**47.** What are exothermic reactions?



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**48.** What are endothermic reactions?



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**49.** Why the welding personel have to use special spectacles?



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**50.** What is combustion?



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**51.** What is reduction?



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**52.** What steps can be taken to protect iron from rusting?



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**53.** What is Catalyst? Write down the characteristics of catalysts.



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**54.** Write the characteristics of catalysts.



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**55.** How are enzymes important to our body?



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56. What happens during during chemical reaction?



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