





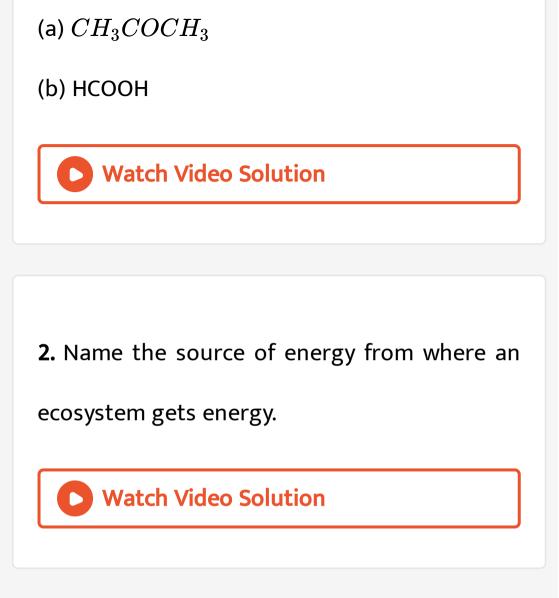
## **CHEMISTRY**

## BOOKS - VK GLOBAL PUBLICATION CHEMISTRY (HINGLISH)

## **MODEL QUESTION PAPER - 4**



**1.** Identify the functional group in the following compounds :



3. Give one example each of (i) change in state

(ii) evolution of a gas.



**4.** In nature, metal A is found in a free state while metal B is found in the form of its compounds. Which of these two will be nearer to the top of the activity series of metals?



5. Illustrate any three chemical properties of

acids. With examples.



**6.** Write balanced equation for the reaction that takes place when sodium oxide reacts with water. How will this solution behave towards phenolphthalein and red litmus paper ?

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**7.** Be (4), Mg (12) and Ca (20) belong to the same group in the modern periodic table

(a) Name the period of each element.

(b) Write the electronic configuration of each element.

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8. Explain the consequences of deficiency of

haemoglobin in our body (any three).

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9. What is the difference between a reflex action and walking?
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10. List any three advantages of using solar

cooker for cooking instead of fossil fuels.



**11.** Explain the given reactions with the examples.

(a) Hydrogenation reaction , (b) Oxidation reaction

(c) Substitution reaction, (d) Saponification reaction

(e) Combustion reaction

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**1.** From an experiment to study the properties of acetic acid. Answer the following questions : (a) Name the substance which on addition to acetic acid produces carbon dioxide gas. Give relevant chemical equation for the above ? (b) How is  $CO_2$  gas tested in the laboratory?

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**2.** One student was assigned he experiment of interaction of iron nail with a solution of copper sulphate. What observationss he/she

would have recorded as per given below ?

(a) Initial colour of the solution.

Final colour of the solution

(c) Change in the colour of iron nail. Mention

the type of this reaction.

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