



CHEMISTRY

NCERT - NCERT Chemistry(HINGLISH)

PHYSICAL AND CHEMICAL CHANGES

Exercise

1. Classify the changes involved in the following processes as physical or chemical

changes:

Photosynthesis



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2. Classify the changes involved in the following processes as physical or chemical changes:

Dissolving sugar in water



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3. Classify the changes involved in the following processes as physical or chemical changes:

Burning of coal



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4. Classify the changes involved in the following processes as physical or chemical changes:

Melting of wax





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5. Classify the changes involved in the following processes as physical or chemical changes:

Beating aluminium to make aluminium foil



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6. Classify the changes involved in the following processes as physical or chemical

changes:

Digestion of food



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7. State whether the following statements are true or false. In case a statement is false, write the corrected statement in your notebook

Cutting a log of wood into pieces is a chemical change. (True/False)



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8. State whether the following statements are true or false. In case a statement is false, write the corrected statement in your notebook

Formation of manure from leaves is a physical change. (True/ False)



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9. State whether the following statements are true or false. In case a statement is false, write the corrected statement in your notebook

Iron pipes coated with zinc do not get rusted easily. (True/False)



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10. State whether the following statements are true or false. In case a statement is false, write the corrected statement in your notebook

Iron and rust are the same substances.

(True/False)



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11. State whether the following statements are true or false. In case a statement is false, write the corrected statement in your notebook

Condensation of steam is not a chemical change (True/False)



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12. Fill in the blanks in the following statements:

When carbon dioxide is passed through lime

water, it turns milky due to the formation of _____.



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13. Fill in the blanks in the following statements:

The chemical name of baking soda is _____.



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14. Fill in the blanks in the following statements:

Two methods by which rusting of iron can be prevented are _____ and _____.



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15. Fill in the blanks in the following statements:

Changes in which only _____ properties of a substance change are called physical changes.





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16. Fill in the blanks in the following statements:

Changes in which new substances are formed are called _____ changes.



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17. When baking soda is mixed with lemon juice, bubbles are formed with the evolution of a gas. What type of change is it? Explain.



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18. When a candle burns, both physical and chemical changes take place. Identify these changes. Give another example of a familiar process in which both the chemical and physical changes take place.



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19. How would you show that setting of curd is a chemical change?



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20. Explain why burning of wood and cutting it into small piece are considered as two different types of changes.



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21. Describe how crystals of copper sulphate are prepared.



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22. Explain how painting of an iron gate prevents it from rusting.



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23. Anaerobic bacteria digest animal waste and produce biogas (Change - A).

The biogas is then burnt as fuel (Change - B).

The following statements pertain to these changes. Choose the correct one.

A. Process - A is a chemical change.

B. Process - B is a chemical change.

C. Both processes A and B are chemical changes.

D. None of these processes is a chemical change.

Answer: A::B::C::D



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