



CHEMISTRY

NCERT - NCERT Chemistry(HINGLISH)

PHYSICAL AND CHEMICAL CHANGES



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

changes:

Photosynthesis



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

Dissolving sugar in water

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



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



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)

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)



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)



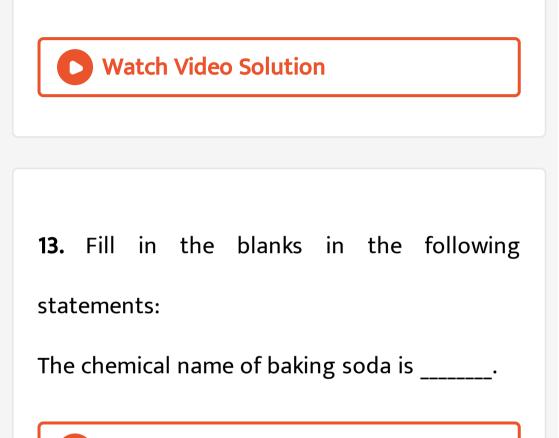
11. State whether the following statements are true or false. In case a statement is false, write the corrected statement in your notebook Condensation of steam is not a chemical change (True/False)

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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



14.	Fill	in	the	blanks	in	the	following
statements:							
Two methods by which rusting of iron can be							
prevented areand							
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			the	blanks	in	the	following
statements:							
Changes in which only properties of a							
substance change are called physical changes.							





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.

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.



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.

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.

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