

CHAPTER 11 : CHANGE IN SURROUNDING AND VARIOUS INCIDENTS**Instructions:**

- ✓ Read the chapter in your book - quickly and thoroughly, preferably more than once.
 - ✓ Watch the uploaded video class from school's website/YouTube channel. For becoming more clear about the basics, watch more than once, if needed.
 - ✓ Contact me in case of any difficulty in understanding.
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MCQs

- 1.** Which of the following is the chemical change?
 - a) melting
 - b) vaporization
 - c) photosynthesis
 - d) filtration
- 2.** What is the boiling point of water?
 - a) 0°C
 - b) 100°C
 - c) 104°C
 - d) 32°C
- 3.** What is the melting point of ice?
 - a) 0°F
 - b) 100°F
 - c) 32°F
 - d) 104°F
- 4.** Which of the following change is rusting?
 - a) chemical change
 - b) physical change
 - c) external change
 - d) internal change
- 5.** Which one is the main compound of stainless steel?
 - a) iron
 - b) carbon
 - c) nickel
 - d) chromium
- 6.** What is the result of combustion?
 - a) fire
 - b) heat
 - c) light
 - d) sound

7. Which one is not fossil?
a) kerosene
b) natural gas
c) coal
d) biogas
8. Which one is the first/primary rock?
a) igneous rock
b) alluvial rock
c) metamorphic rock
d) none of the above
9. What is made from coal?
a) quartz
b) graphite
c) marble
d) copper
10. There are _____ types of change of matter.
a) five
b) three
c) two
d) six
11. Which of the following is the feature of chemical change?
a) new substance is formed
b) partially new substance is formed
c) no change of properties
d) no change of matter
12. Physical change -
a) complete new substance is created
b) transformation of state and shape
c) change of properties
d) no change of state and shape
13. Which is the chemical form of rust?
a) $\text{Fe}_2\text{O}_3 \cdot n\text{H}_2\text{O}$
b) $\text{Fe}_2\text{O}_3 \cdot 2\text{H}_2\text{O}$
c) Fe_2O_3
d) $\text{Na}_2\text{CO}_3 \cdot n\text{H}_2\text{O}$
14. In which one rust can be formed easily?
a) platinum
b) gold
c) copper
d) iron
15. What type of change rusting is?
a) chemical
b) physical
c) both
d) none
16. Where rust will not formed if it is kept in air?
a) copper
b) iron
c) aluminium
d) stainless steel
17. What is called giving a layer of zinc in an iron stuff?
a) stainless steel
b) painting
c) electroplating
d) galvanizing
18. What is called the process of making layer of metal in the surface of other metal through electrolysis?
a) rusting
b) galvanizing
c) electroplating
d) painting

19. What type of change photosynthesis is?

- a) chemical
- b) physical
- c) physiological
- d) mixed

20. In which process plants lose water?

- a) transpiration
- b) photosynthesis
- c) infiltration
- d) condensation

21. What is the chemical name of chalk?

- a) sodium carbonate
- b) sodium hydroxide
- c) calcium carbonate
- d) magnesium oxide

22. What is the formula of calcium carbonate?

- a) CaO
- b) CaCO₃
- c) MgO
- d) HNO₃

23. Which one is a metamorphic rock?

- a) lime stone
- b) granite
- c) marble
- d) basalt

24. Which type of rock is graphite?

- a) igneous
- b) sedimentary
- c) metamorphic
- d) clay

25. Ice turns to water -

- i. physical change
- ii. change of state
- iii. chemical change

Which one is correct?

- a) i
- b) i and ii
- c) iii
- d) i, ii and iii

26. Due to chemical change -

- i. a new substance is formed
- ii. the properties of substance is changed
- iii. structural change takes place in molecules of a substance

Which one is correct?

- a) i
- b) i and ii
- c) ii and iii
- d) i, ii and iii

27. Igneous or primary rock -

- i. granite
- ii. basalt
- iii. dolerite

Which one is correct

- a) i
- b) ii
- c) iii
- d) i, ii and iii

28. Stainless steel is -

- i. a compound of nickel, chromium and carbon
- ii. a mixture
- iii. an alloy which does not get rust

Which one is correct?

- a) i
- b) ii
- c) iii
- d) i, ii and iii

29. The way of protecting decay of elements is -

- i. white wash
- ii. galvanizing
- iii. the use of stuffs made of stainless steel

Which one is correct?

- a) i
- b) i and ii
- c) ii and iii
- d) i, ii and iii

30. The process of combustion is related to -

- i. chemical change
- ii. production of energy
- iii. water cycle

Which one is correct?

- a) i and ii
- b) i and iii
- c) ii and iii
- d) i, ii and iii

31. In the combustion of candle -

- i. carbon dioxide and water is produced
- ii. candle reacts with oxygen of air
- iii. physical and chemical reaction both occurs

Which one is correct?

- a) i
- b) ii
- c) iii
- d) i, ii and iii

32. Example of metamorphic rock -

- i. marble stone
- ii. slate
- iii. graphite

Which one is correct?

- a) i
- b) ii
- c) iii
- d) i, ii and iii