

# Chemistry



9th Class

Sindh Board Notes

Chapter # 12

Carbon Silicon And Their Components

→ Solved MCQs

پنجاب، سندھ، بلوچستان، خیبر پختونخواہ، بورڈز کے تمام نوٹس سابقہ پیپرز، اس ویب سائٹ سے فری ڈاؤن لوڈ کریں۔

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## → CARBON SILICON & THEIR COMPONENTS

- Graphite bars are used in atomic reactors because graphite is**
  - Soft solid
  - Good conductor of electricity
  - More reactive than diamond
  - ✓ Slows down the neutrons.
- Diamond is used as abrasive because it is**
  - ✓ Hard
  - Soft
  - Cubic
  - Bad conductor of electricity.
- Silicon is most abundantly found in nature as,**
  - ✓ Silica ( $\text{SiO}_2$ )
  - Silicon carbide ( $\text{SiC}$ )
  - Sodium silicate
  - Calcium silicate
- China clay is used in making of**
  - Glass
  - Electrical insulator
  - Ceramics
  - ✓ Crockeries
- Fused Silica which is also known as quartz glass is used for making;**
  - Concrete or cement
  - Silicon carbide
  - ✓ Optical lenses and prisms
  - Absorbent
- Melting point of sodium silicate is**
  - 11009°C
  - ✓ 1090°C
  - 1410°C
  - 990°C
- Soft coal is called**
  - Lignite
  - Peat
  - ✓ Bitumen
  - Anthracite
- The hardest Natural Substance Known to man is**
  - ✓ Diamond
  - Graphite
  - Bucky Balls
  - Silica
- Boil or carbando is the**
  - Green Diamond
  - Blue Diamond
  - Yellow Diamond
  - ✓ Black Diamond

10. **Clusters of carbon atoms as molecules of**  
a. Plumbago  
c. ✓ Bucky Ball  
b. Bort  
d. Coke
11. **Shape of diamond crystal is**  
a. Cubic  
c. Needle like  
b. ✓ Octahedral  
d. hexagonal
12. **The layers are arranged in parallel form one above the other**  
a. Silica  
c. Water Glass  
b. Diamond  
d. ✓ Graphite
13. **Coal is the amorphous form of the**  
a. Calcium  
c. Silicon  
b. Iron  
d. ✓ Carbon
14. **Coke is produced by heating bituminous coal to very high temperature about**  
a. 1090°C  
c. ✓ 1300°C  
b. 1350°C  
d. 1400°C
15. \_\_\_\_\_ **burns in air with no smoke and leaves very little residue.**  
a. ✓ Coke  
c. Coaltar  
b. Charcoal  
d. Coal
16. **All the different carbon allotropes are black or grayish black solids except**  
a. Graphite  
c. ✓ Diamond  
b. Bucky Balls  
d. None of these
17. **Allotropes of carbon have high melting point, above**  
a. ✓ 3000°C  
c. 2000°C  
b. 1000°C  
d. 4000°C
18. **Carbon is powerful**  
a. Bleaching agent  
c. Oxidizing agent  
b. ✓ Reducing Agent  
d. None of these
19. **The ability of the carbon atoms to bond itself forming long chains and rings**  
a. ✓ Called  
c. Carbonization  
b. Conduction  
d. None of these
20. **Which one of the following is bad conductor of electricity**  
a. Graphite  
c. Copper  
b. Silver  
d. ✓ Diamond

- 21. Silicon is**
- a. ✓ Metalloid
  - b. Non-Metal
  - c. Metal
  - d. Liquid Metal
- 22. The pure crystalline form of silicon in combined state is quartz and flint such as**
- a. ✓ Opal and onyx
  - b. Agate
  - c. Garnet
  - d. Sand
- 23. Which one of the following is hydrated aluminum silicate.**
- a. Talc
  - b. ✓ China Clay
  - c. Garnet
  - d. Feldspar
- 24. The colour of amorphous silicon is**
- a. ✓ Brown
  - b. Grey
  - c. Black
  - d. Yellow
- 25. The boiling point of silicon is**
- a. 1410°C
  - b. 2401°C
  - c. 3500°C
  - d. ✓ 2600°C
- 26. SiO<sub>2</sub> is the formula of**
- a. Silicon
  - b. Silicate
  - c. ✓ Silica
  - d. Water Glass
- 27. Which one of the following is used in making optical lenses and prisms?**
- a. Large quartz
  - b. Powdered quartz
  - c. ✓ Quartz glass
  - d. Kieselguhr
- 28. Which one of the following is used as absorbent?**
- a. Silica
  - b. Sand
  - c. Quart Glass
  - d. ✓ Kieseighur
- 29. What is formed when sodium silicates is dissolved in hot water and pressures?**
- a. Silica jel
  - b. ✓ Water Glass
  - c. Jel
  - d. Chemical Garden
- 30. What will formed when a dilute solution of water glass mixed with some crystals of cobalt chloride and is left for few days without touching the trough?**
- a. Jel
  - b. Silica Jel
  - c. ✓ Chemical Grand
  - d. Opal Crystals
- 31. Diamond has very high refractive index that is**
- a. ✓ 2.45  $\mu$
  - b. 3.45  $\mu$
  - c. 2.75  $\mu$
  - d. 4.45  $\mu$

32. Carbon atoms of  $C_{60}$  forms
- a. ✓ bucky ball
  - b. diamond
  - c. graphite
  - d. lead
33. Amorphous silicon is
- a. white
  - b. ✓ brown
  - c. blue
  - d. yellow
34. Formula of silica is
- a. SiO
  - b.  $SO_3$
  - c. ✓  $SiO_2$
  - d.  $SO_4$
35.  $SiO_2 \cdot nH_2O$  is the formula for
- a. ✓ Silica gel
  - b. Water glass
  - c. Gass
  - d. Sand
36. \_\_\_\_\_ diamonds are used in the drilling and cuttings.
- a. ✓ Black
  - b. white
  - c. blue
  - d. none
37. Rocks and Clay are made up of
- a. Phosphates
  - b. ✓ Silicates
  - c. Sulphates
  - d. Bi-Carbonates
38. Sand is made up of mostly
- a. ✓ Silicates
  - b. Phosphates
  - c. Chlorates
  - d. Sulphates

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