

41. $a \neq b \neq c$ is representation of crystal system

- [A.](#) Monoclinic [B.](#) Triclinic
[C.](#) Hexagonal [D.](#) Trigonal

Answer: Option B

42. The phenomenon in which a compound exists in two or more crystalline forms is called

- [A.](#) Isomorphism [B.](#) Polymorphism
[C.](#) Anisotropy [D.](#) Allotropy

Answer: Option B

43. Which solids are called true solids?

- [A.](#) Metallic [B.](#) Amorphous
[C.](#) Crystalline [D.](#) Vitreous

Answer: Option c

44. Bucky balls is an allotropic form of

- [A.](#) Sulphur [B.](#) Carbon
[C.](#) Silica [D.](#) Tin

Answer: Option B

45. The number amino acid units for each turn of helix on average are

- [A.](#) 21 [B.](#) 23
[C.](#) 25 [D.](#) 27

Answer: Option D

46. Isomorphous substances have

- A. Same physical and chemical properties
- B. Same physical and different chemical properties
- C. Different physical and same chemical properties
- D. Different physical and chemical properties

Answer: Option D

47. If a physical and chemical change takes place at a constant pressure then the heat change during the process is called

- A. Heat of transition
- B. Heat of fusion
- C. Enthalpy change
- D. All of above

Answer: Option C

48. The pressure during the molar heat of fusion is kept

- A. 0 atmosphere
- B. one atmosphere
- C. 2 atmosphere
- D. 10 atmosphere

Answer: Option B

49. The amount of heat absorbed when one mole of a liquid is changed into gas at its boiling point is

- A. Molar heat of sublimation
- B. Molar heat of fusion
- C. Molar heat of vapourization
- D. Latent heat of that liquid

Answer: Option C

50. All the enthalpy changes are

- A. Negative
- B. Positive
- C. May or may not be a or b
- D. none

Answer: Option C

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