11. The sample of isotopes of an element which needs not to be vaporized in the vaporization chamer

A. Gas
B. Liquid
C. Volatile solid
D. All

Answer: Option A

12. One mole of CO2 contains.

A. 6.022 x 1023 atoms of oxygen
B. 22-gram electrons
C. 6.022 x 1023 atms of carbon
D. both b & c

Answer: Option D

13. Avogadros number may represent

A. volume of particles
B. number of particles
C. mass of particles
D. All of the above

Answer: Option D

14. The number of isotopes of elements with even mass number and even atomic number are.

A. 280
B. 300
C. 154
D. 54

Answer: Option C

15. Size of molecule depends upon

A. Atomicity
B. Shape of molecule
C. Both a and b
D. Difficult to predict

Answer: Option C

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16. Which of the following terms is not used for ionic compound?

A. formula unit
B. empirical formula
C. molecular formula
D. formula mass

Answer: Option C

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17. 0.36 moles of each aluminium and oxygen react with each other to produce aluminium oxide. The amount of product formed is

A. 0.18 mole
B. 0.27 mole
C. 0.24 mole
D. 0.09 mole

Answer: Option A

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18. Which of the following terms is used for the mass of chlorine 35.5?

A. relative atomic mass
B. mass number
C. atomic weight
D. relative isotopic mass

Answer: Option A

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19. Which one of the following has the maximum number of isotopes?

A. oxygen
B. carbon
C. tin
D. chlorine

Answer: Option C

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20. Which one of the following is not the mono isotopic element?

A. arsenic
B. uranium
C. iodine
D. nickel

Answer: Option B

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