

A. 6.022×10^{23}

B. 3.01×10^{23}

C. $2 \times N_A$

D. $4 \times 6.022 \times 10^{23}$

Answer: Option B

27. During which process empty spaces between particles become minimum?

A. ionization

B. condensation

C. fusion

D. evaporation

Answer: Option B

28. Liquid gets the shape of the container when it is poured into it. Which one of the following reasons justifies it?

A. Liquid do not have definite shape

B. Liquid do not have definite volume

C. Liquid is highly compressible

D. Liquid molecules can slide over each other

Answer: Option D

29. Which one of the following has highest volatility

A. Diethyl ether

B. Ethyl alcohol

C. Water

D. Ethylene glycol

Answer: Option A

30. Molar heat of vaporization of water is

A. 40.7 KJ/mole

B. 40.7 J/mole

C. 40.7 cal/mole

D. 40.7 Kcal/mole

Answer: Option A