

Multiple Choice Questions

Q Encircle the correct answer from the given choices

i. In which of the following state molecules do not leave their position?

- A. Solid
B. Gas
C. Liquid
D. Plasma

ii. Which of the substance is lightest one?

- A. Aluminium
B. Meregury
C. Copper
D. Lead

iii. SI Unit of pressure is pascal, which is equal to

- A. 10^4 Nm^{-2}
B. 1 Nm^{-2}
C. 10^{-6} Nm
D. 100 Nm^{-3}

iv. What should be the approximate length of glass tube to construct a barometer?

- A. 0.5m
B. 2.5m
C. 1m
D. 11m

v. According to Archimedes upthrust is equal to

- A. Weight of displaced liquid
B. Volume Volume of displaced liquid
C. Mass of displaced liquid
D. Nonre

vi. The density of a sunstance can be foug with the help of:

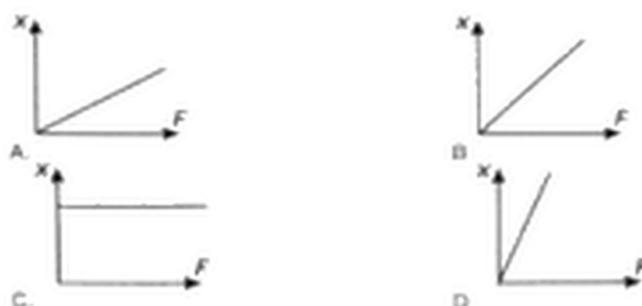
- A. Pascal's Law
B. Hook's Law
C. Archimedes principle
D. Principle of location

vii. According to Hook's Law

- A. $\text{Stress} \times \text{Strain} = \text{constant}$
B. $\text{Strain} / \text{Stress} = \text{constant}$
C. $\text{Stress} / \text{Strain} = \text{constant}$
D. $\text{Stress} = \text{Strain}$

viii.

Answer the following questions(viii to x) by seeing this force-extension graph of a string



ix. Which graph does not obey Hooke's Law

- A. A
- C. C

- B. B
- D. D

x. Which graph gives the smallest value of spring constant?

- A. A
- C. C

- B. B
- D. D

xi. Which graph gives the largest value of spring constant?

- A. A
- C. C

- B. B
- D. D

Answers

i.A

ii.C

iii.B

iv.B

v.A

vi.C

vii.B

viii.C

ix.D

x.A

