

Waves Physics solved MCQs Questions answers

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Hopefully, this list of 12 solved MCQs of waves physics will help you in your test.

1. The particles of the medium vibrate in longitudinal waves ...

- (a) perpendicular to the direction of the wave motion
- (b) Along the direction of wave motion
- (c) Opposite to the direction of the wave motion
- (d) Do not vibrate at all
- (e) None of these

Answer: (b)

2. The particle of the medium vibrates in the transverse wave ...

- (a) At a right angle to the direction of wave motion
- (b) Along the direction of wave motion
- (c) Do not vibrate at all
- (d) Opposite to the direction of wave motion
- (e) None of these
- (f) All of these

Answer: (a)

3. What does wave transmit from one place to others?

- (a) Amplitude
- (b) Wavelength
- (c) Mass
- (d) Energy
- (e) All of these
- (f) None of these

Answer: (d)

4. The waves in which particle of the medium vibrate at a right angle to the direction of waves motion is known as

- (a) electromagnetic waves
- (b) Longitudinal waves
- (c) Transverse waves
- (d) Compressional waves
- (e) All of these
- (f) None of these

Answer: (c)

5. The waves in which particles of the medium vibrate in the direction of the waves motion are called

- (a) Stationary waves
- (b) Longitudinal waves
- (c) Transverse waves
- (d) Mechanical waves
- (e) All of these
- (f) None of these

Answer: (b)

6. Representation of mechanical waves is

- (a) Sound
- (b) Heat
- (c) Light

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- (d) Compressional waves
- (e) All of these
- (f) None of these

Answer: (a)

7. The waves in which material medium is required for their propagation are known as

- (a) Matter waves
- (b) Mechanical waves
- (c) Electromagnetic waves
- (d) Carrier waves
- (e) All of these
- (f) None of these

Answer: (b)

8. Water waves are ...

- (a) Longitudinal Waves
- (b) Transverse waves
- (c) Electromagnetic waves
- (d) Stationary waves
- (e) All of these
- (f) None of these

Answer: (b)

9. There is a ripple tank which is used to study the various forms of?

- (a) Gases
- (b) Wave phenomenon
- (c) Solid
- (d) Liquid
- (e) All of these
- (f) None of these

Answer: (b)

10. The Elongation's and Compressions are formed in

- (a) Stationary waves
- (b) Complex waves
- (c) Longitudinal waves
- (d) Transverse waves
- (e) All of these
- (f) None of these

Answer: (c)

11. Which are mechanical waves?

- (a) Carry energy but do not need a medium
- (b) Need medium but do not carry energy from one place to another
- (c) Do not need a medium
- (d) Need medium
- (e) All of these
- (f) None of these

Answer: (d)

12. Energy becomes _____ when the amplitude of wave becomes...

- (a) Four-time
- (b) Double
- (c) One half
- (d) Nine-time
- (e) All of these
- (f) None of these

Answer: (a)

13. The distance between two consecutive troughs or crests is known as ...

- (a) Phase Difference

- (b)Period
- (c)wave_length
- (d)Frequency
- (e)All of these
- (f)None of these

Answer: (c)



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