

WAVES – BASIC CONCEPTS

1. The name of the substance through which a wave travels.
2. The natural state of a medium is referred to as its _____ position.
3. The name of the energy that creates a wave in a medium.
4. One disturbance is called a _____.
5. Because a wave is an energy transport phenomenon, it transports energy without transporting _____.
6. What type of wave has the particles in the medium moving perpendicular to the movement of the wave?
7. What type of wave has the particles in the medium moving parallel to the movement of the wave?
8. What type of wave has the particles in the medium moving in a circular motion?
9. What is the medium of a stadium wave?
10. What is the medium of a sound wave?
11. What is the medium of a tidal wave?
12. In a transverse wave, what part of a wave is the maximum point above the rest position?
13. In a transverse wave, what part of a wave is the minimum point below the rest position?
14. In a transverse wave, what do we call the length from the rest position to the crest or the rest position to the trough?
15. What is the length of one complete wave cycle called?
16. In a longitudinal wave, what is the point on the medium with the maximum density called?
17. In a longitudinal wave, what is the point on the medium with the minimum density called?
18. What is the frequency of a wave that has 34 wave cycles in 2 seconds?
19. What is the period of a wave that has 2 wave cycles in 1 second?
20. What do we call the behavior of a wave that bounces off of a surface it cannot pass through?
21. What do we call the behavior of a wave that bends as it passes through a new medium at an angle?
22. What do we call the behavior of a wave that bends as it moves around an obstacle?
23. What do we call the occurrence when two or more waves overlap?
24. What kind of interference occurs when two or more waves combine and their displacements add together?
25. What kind of interference occurs when two or more waves combine and their displacements are subtracted from each other?

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