



# PHYSICS

## NCERT - NCERT Physics(Telugu)

### SOUND

#### Example

1. Find the time period of the wave whose frequency is 500Hz?



[View Text Solution](#)

2. In a certain gas, a source produces 40,000 compression and 40,000 rarefaction pulses in 1 sec. When the second compression pulse is produced, the first is 1cm away from the source. Calculate the wave speed.



[View Text Solution](#)

3. An echo is heard after 0.8s, when a boy fires a cracker, 132m away from a tall building.

Calculate the speed of sound?



[View Text Solution](#)

4. A research team sends a sonar signal to confirm the depth of a sea. They heard an echo after 6s. Find the depth of the sea. an echo after 6s. Find the depth of the sea m/s?



[View Text Solution](#)

5. Find the time period of the wave whose frequency is 500Hz?



[View Text Solution](#)

6. In a certain gas, a source produces 40,000 compression and 40,000 rarefaction pulses in 1 sec. When the second compression pulse is produced, the first is 1cm away from the source. Calculate the wave speed



[View Text Solution](#)

7. An echo is heard after 0.8s, when a boy fires a cracker, 132m away from a tall building. Calculate the speed of sound?

 [View Text Solution](#)

8. A research team sends a sonar signal to confirm the depth of a sea. They heard an echo after 6s. Find the depth of the sea. If the speed of sound in sea water is 1500 m/s?

 [View Text Solution](#)

9. Find the time period of the wave whose frequency is 500Hz?



[View Text Solution](#)

10. In a certain gas, a source produces 40.000 compression and 40.000 rarefaction pulses in 1 sec. When the second compression pulse is produced, the first is 1cm away from the source. Calculate the wave speed.



[View Text Solution](#)

**11.** An echo is heard after 0.8s, when a boy fires a cracker, 132m away from a tall building. Calculate the speed of sound?



[View Text Solution](#)

**12.** A research team sends a sonar signal to confirm the depth of a sea. They heard an echo after 6s. Find the depth of the sea. If the speed of sound in sea water is 1500 m/s?



**View Text Solution**