

Dear Students,

As a part of this week's workout, you need to visit **H.C. Verma, Physics, 9th** standard textbook. This book contains a **chapter on Sound**. Now the task is simple. Read the chapter carefully, try to understand it meaningfully and then **solve all the questions** given at the end of it.

We are attempting to do some of our course content through the 'self-study' mode. The habit of reading some text and working it out on one's own is very important even when one is thinking of examinations like IIT or Olympiad. So let us give it a sincere try. In case of any doubts, difficulties, etc. try to contact your friends. In any case, we will do a quick revision of it when we meet during the regular course.

It would be very interesting to do some of the experiments related to sound on your own. In case you do those, keep a clear record of it for sharing it with the rest.

We hope that the idea of doing **Sound** in self-study mode would *sound* good to everyone.

Documentary of the week:

As we are doing Sound independently, it will be useful to watch the following videos to get a clearer sense of what we are reading.

(1) Propagation of Sound:

<https://www.youtube.com/watch?v=GkNJvZINSEY>

and

https://www.youtube.com/watch?v=_ovMh2A3P5k

(2) Requirement of medium for propagation of Sound:

<https://www.youtube.com/watch?v=CzG0ioYIIFs>

(3) Sound as energy:

https://www.youtube.com/watch?v=uENITui5_jU

(4) An experiment-bank on Sound by Arvind Gupta:

<http://arvindguptatoys.com/films.html>

We hope this will help you in dealing with Sound on your own.
