

Physics Hw OC (Ch-Sound)

1) What do you mean by a vibratory motion?

Ans The oscillatory motion in which the body assumes a new shape during its motion, is called vibratory motion.

2) What is sound?

Ans Sound is a form of energy that produces the sensation of hearing in our ears.

3) How is sound produced?

Ans Sound is produced when a body vibrates. Each source of sound is a vibrating body.

4) Describe an experiment to show that each source of sound is a vibrating body.

Ans → Take a ruler and press its one end on the table with a hand and pull down the other end with another hand and leave it.

→ It is noticed that the ruler vibrates, and a humming sound is produced.

→ After sometime the ruler stops vibrating and thus, no sound is then heard.

→ Hence, it is concluded that the humming sound is produced only because of the vibrations of the ruler.

5) Name 2 sources of sound.

Ans Two sources of sound are tuning fork and musical instruments.