

Name: _____ Date: _____

Sound

Q1. What is the frequency of the sound produced when the vocal cords are:
(a) tight and thin? (b) loose and thick?

Ans. _____

Q2. Write the loudness of the following in decibels:
Normal breathing, Soft whisper (at 5m), Normal conversation, Busy traffic and Average factory

Ans. _____

Q3. How do we hear?

Ans. _____

Sound

Q1. What is the frequency of the sound produced when the vocal cords are:
(a) tight and thin? (b) loose and thick?

Ans. Muscles attached to the vocal cords can make the cords tight or loose.

(a) When the vocal cords are tight and thin, a sound of high frequency
(high pitch sound) is produced.

(b) The frequency produced by tight and thin, a sound of low frequency
(low pitch sound) is produced.

Q2. Write the loudness of the following in decibels:
Normal breathing, Soft whisper (at 5m), Normal conversation, Busy
traffic and Average factory

Ans. Normal breathing - 10 dB

Soft whisper (at 5m) - 30 dB

Normal conversation - 60 dB

Busy traffic - 70 dB

Average factory - 80 dB

Q3. How do we hear?

Ans. The shape of the outer part of the ear is like a funnel. When sound enters
in it, it travels down a canal at the end of which a thin membrane is
stretched tightly. It is called the eardrum. The eardrum is like a stretched
rubber sheet. Sound vibrations make the eardrum vibrate. The eardrum
sends vibrations to the inner ear. From there, the signal goes to the
brain. That is how we hear.