



ST. LAWRENCE HIGH SCHOOL

A JESUIT CHRISTIAN MINORITY INSTITUTION



Sub: Physical Science

Class: 8

Date: 07.11.20

Duration: 40 min

Worksheet Solution 01

Full Marks: 15

SOUND

Choose the Correct options:

- _____ means to move back and forth quickly.
 - Pitch
 - Amplitude
 - Vibration**
 - Echo
- If a sound has a high amplitude then it also has a _____!!!
 - fast echo
 - slow pitch
 - high loudness**
 - low loudness
- A sound with a high pitch would have
 - a low frequency
 - a high frequency**
 - a low amplitude
 - a high amplitude
- A sound with a high frequency has a _____ pitch. A sound with a _____ frequency has a low pitch.
 - high, low**
 - low, high
 - medium, high
 - high, medium
- the number of vibrations per second
 - vibration
 - loudness
 - pitch
 - frequency**
- Sound waves that are beyond the range of human ear are known as ----
 - Supersonic waves
 - Infrasonic waves
 - Ultrasonic waves**
 - Catatonic waves
- As compare to air, sound travels fastest in
 - liquids
 - gases
 - vacuum
 - solids**
- In one wavelength, wave passes through
 - one complete vibration**
 - two complete vibrations
 - one and a half vibration
 - two and a half vibration
- The organs of a human that detect sounds are
 - eyes
 - ears**

- c) feet
 - d) hands
10. We cannot hear alarm of a clock if there is
- a) **vacuum in the jar**
 - b) air in the jar
 - c) liquid in the jar
 - d) solid in the jar
11. In concert halls, soft materials and carpets are used to
- a) increase sound waves
 - b) **absorb sound waves**
 - c) retract sound waves
 - d) refract sound waves
12. As compare to humans, bats can hear sounds only with
- a) low frequency
 - b) low pitch
 - c) low amplitude
 - d) **high pitch**
13. Pitch of the sound is measured in
- a) **Hertz (Hz)**
 - b) Decibels (dB)
 - c) Meters (m)
 - d) Pascal (Pa)
14. Loudness of Sound is measured by units that are called
- e) Hertz (Hz)
 - f) **Decibels (dB)**
 - g) Meters (m)
 - h) Pascal (Pa)
15. Three main types of musical instruments are
- a) guitar, violin and piano
 - b) drum, guitar and piano
 - c) **stringed instrument, wind instrument and percussion instrument**
 - d) stringed instrument, wind instrument and beat n bass instrument