



ST. LAWRENCE HIGH SCHOOL

A JESUIT CHRISTIAN MINORITY INSTITUTION



Sub: Physical Science

Class: 8

Date: 09.11.20

Duration: 40 min

Worksheet Solution 02

Full Marks: 15

SOUND

Choose the Correct options:

1. Sound waves are produced by
 - a. linear motion
 - b. circular motion
 - c. vibrating bodies**
 - d. transitional motion
2. The loudness of sound varies directly with the vibrating body's
 - a. direction
 - b. amplitude**
 - c. pitch
 - d. quality
3. Sounds of frequency higher than 20,000 Hz which are inaudible to normal human ear are called
 - a. noise
 - b. frequency
 - c. ultrasonic**
 - d. amplitude
4. The loudness and amplitude of sound varies
 - a. directly**
 - b. inversely
 - c. Not related
 - d. Proportionally
5. Sound waves in air are
 - a. Longitudinal**
 - b. Transverse
 - c. Electromagnetic
 - d. Only magnetic
6. Pitch of the sound depends upon
 - a. frequency**
 - b. distance of sound
 - c. amplitude
 - d. temperature
7. Astronauts in space communicate with each other by radio links because
 - a. Sound waves travel slowly in space
 - b. sound waves can't travel in space**
 - c. sound waves travel fast in space
 - d. sound waves have low frequency
8. The characteristic of sound by which we can distinguish between a shrill and a grave sound is known as
 - a. quality
 - b. intensity
 - c. loudness
 - d. pitch**
9. The sounds which are pleasant to our ears are called
 - a. noise

- b. musical sounds**
 - c. frequency
 - d. amplitude
10. The loudness of sound is related most closely to its
- a. frequency
 - b. period
 - c. amplitude**
 - d. wavelength
11. The sound produced by a large drum is louder than a small drum because of its
- a. distance from sticks
 - b. small vibrating area
 - c. large vibrating area**
 - d. none of above
12. The characteristic of sound by which loud and faint sounds can be distinguished is known as
- a. loudness**
 - b. pitch
 - c. quality
 - d. intensity
13. As compared to air, the speed of sound in liquids and solids is
- a. lower
 - b. faster**
 - c. equal
 - d. zero
14. Sound waves are mechanical because
- a. They require medium for propagation**
 - b. They don't require medium for propagation
 - c. They are longitudinal
 - d. They are transverse
15. The pitch of the sound depends upon
- a. amplitude
 - b. loudness
 - c. area
 - d. frequency**