



# ST. LAWRENCE HIGH SCHOOL

A JESUIT CHRISTIAN MINORITY INSTITUTION



**Sub: Physical Science**

**Class: 8**

**Date: 14.11.20**

**Duration: 40 min**

**Worksheet 03**

**Full Marks: 15**

## SOUND

### Choose the Correct options:

- As compare to air, sound travels fastest in
  - liquids
  - gases
  - vacuum
  - solids
- Sounds of vehicles, aircrafts and machines are called
  - artificial sounds
  - natural sounds
  - noise
  - normal sounds
- Large empty room often sounds
  - full
  - hollow
  - noisy
  - repeating
- For communication astronauts use radio because
  - sound travels at very high speed in vacuum
  - sound does not travel in vacuum
  - vacuum repels sounds
  - sound energy turns into light in vacuum
- In concert halls, soft materials and carpets are used to
  - increase sound waves
  - absorb sound waves
  - retract sound waves
  - refract sound waves
- Sound waves are converted by
  - speakers
  - computers
  - microphones
  - monitors
- Loudness of Sound is measured by units that are called
  - Hertz (Hz)

- B. Decibels (dB)
  - C. Meters (m)
  - D. Pascal (Pa)
8. Unlike light, sound cannot
- A. pass through transparent solids
  - B. pass through air
  - C. pass through liquids
  - D. pass through vacuum
9. An example of longitudinal wave is
- A. Sound in air
  - B. light
  - C. energy
  - D. surface wave
10. 20 dB has hundred times more energy than
- A. 10 dB
  - B. 0 dB
  - C. 5 dB
  - D. 2 dB
11. 'Eardrum' bursts at
- A. 40 dB
  - B. 80 dB
  - C. 160 dB
  - D. 320 dB
12. 'Ultrasound' is a reflection of
- A. soft tissues only
  - B. hard tissues only
  - C. both soft and hard tissues
  - D. hard muscles only
13. 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 and bass instrument
14. Sound loses more energy in
- A. air

- B. vacuum
- C. liquid
- D. solid

15. The level of sound of normal conversation is

- A. 10 dB
- B. 20 dB
- C. 50 dB
- D. 60 dB