



ST. LAWRENCE HIGH SCHOOL

A JESUIT CHRISTIAN MINORITY INSTITUTION



Sub: Physical Science

Class: 8

Date: 14.11.20

Duration: 40 min

Worksheet Solution 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**