

## Practice worksheet for Class 8

### Chapter 13:- Sound

#### Q.A.) Fill in the blanks.

- 1.) Fro or back and forth formation of object is called vibration.
- 2.) In humans, sound is produced by larynx.
- 3.) The vocal cord in men are 20 mm long.
- 4.) Amplitude and frequency are two important properties of sound.
- 5.) The range of audible frequency is 20 to 20,000 Hz.

#### Q.B.) True or false.

##### 1.) The frequency determines the pitch of sound.

Answer:- True

##### 2.) The loudness of sound depends on it's amplitude.

Answer:- True

##### 3.) A bird makes low pitched sound.

Answer:- False

##### 4.) Pleasant sounds are called noise.

Answer:- False

##### 5.) Sound is produced by vibrating objects.

Answer:- True

**Q.C.) Answer in one sentence.**

**1.) Define musical sound.**

Answer:- A sound which is pleasant to the ear.

**2.) Define noise.**

Answer:- The unpleasant sound are called noise.

**3.) What is oscillatory motion?**

Answer:- The to and fro motion of an object is known as vibration this motion is also called oscillatory motion.

**4.) Define frequency of oscillation.**

Answer:- The number of oscillation per second is frequency of oscillation.

**Q.D.) Answer in brief.**

**Q.1.) How are humans harmed by noise pollution?**

Answer:- a. The excessive presence of noise in surrounding can cause health related problems to the human.

b. Lack of sleep, hypertension, deafness, some heart disease may be caused by noise pollution.

c. Some ear problems are also called due to noise pollution.

**Q.2.) Explain audible and inaudible sound.**

Answer:- a. The sounds of frequencies less than about 20 vibrations per second (20 Hz) cannot be detected by the human ear. Such sounds are called inaudible sounds.

b. Sounds of frequencies higher than about 20,000 vibrations per second (20 kHz) are also not audible to the human ear.

c. Thus, the range for humans ear for audible sound is 20 Hz to 20,000 Hz .

### **Q.3.) How to control noise pollution?**

Answer:- a.) Silencing devices must be used in aircrafts engines, transport vehicles, etc.

b.) All noisy operations must be conducted away from the residential area.

c.) Noise producing industries should be worked away from such areas.

d.) TV and music should be runned at low volume.

e.) Trees plantation on roadside can reduce noise pollution.

**Regards,**

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