

### **WORKSHEET FOR PT 3**

#### **CLASS 8 SUB: SCIENCE**

##### **SECTION A**

1. Explain why the sound produced by every vibrating body cannot be heard by us.
2. Suppose a stick is struck against a frying pan in vacuum. Will the frying pan vibrate? Will we be able to hear the sound? Explain.
3. Two astronauts are floating close to each other in space. Can they talk to each other without using any special device? Give reasons.
4. We have a stringed musical instrument. The string is plucked in the middle first with a force of greater magnitude and then with a force of smaller magnitude. In which case would the instrument produce a louder sound?
5. The town hall building is situated close to Boojho's house. There is a clock on the top of the townhall building which rings the bell every hour. Boojho has noticed that the sound of the clock appears to be much clearer at night. Explain.
6. A simple pendulum makes 10 oscillations in 20 s. What is the time period and frequency of its oscillations?
7. Boojho saw a cracker burst at night at a distance from his house. He heard the sound of the cracker a little later after seeing the cracker burst. Give reason for the delay in hearing the sound.
8. Lightning can be seen at the moment when it occurs. Paheli observes lightning in her area. She hears the sound 5 s after she observed lightning. How far is she from the place where lightning occurs?
9. With the help of an activity prove that sound travels through liquids.
10. How is loudness related to amplitude?

##### **SECTION B**

1. What is combustion? Give some examples .
2. Differentiate combustible and non- combustible substances.
3. What are the conditions necessary for combustion?
4. Write the products which are formed when magnesium burns with oxygen.
5. If we cut off the supply of air for combustion of a substance, what will happen?
6. Define calorific value of fuels.

##### **SECTION C**

7. With the help of diagrams , explain reproduction in amoeba by binary fission.
8. What are viviparous animals? Name any two viviparous animals.
9. Explain the life cycle of a frog with diagrams.
10. Name the hormones responsible for male and female secondary sexual characters determined.
11. How is the sex determined in human beings? Explain with the help of a flowchart.
12. What happens to the ovum when it is (a) fertilized (b) not fertilized in the fallopian tube?