

Name: \_\_\_\_\_

**Q.1** What is the unit of sound? \_\_\_\_\_ (3)**Q.2**

Describe a simple experiment to show that sound is a form of energy.

Describe \_\_\_\_\_  
\_\_\_\_\_ (3)**Q.3** Sound moves in the form of \_\_\_\_\_ (3)**Q.4** Sound needs a medium in which to travel. Name a medium? \_\_\_\_\_ (3)**Q.5** What does this experiment below show?\_\_\_\_\_  
\_\_\_\_\_ (3)**Q.6** Echoes show that sound can be \_\_\_\_\_ (3)**Q.7** Give an example that shows sound travels slower than light. \_\_\_\_\_  
\_\_\_\_\_ (3)**Q.8** Give one practical application of ultrasound that man uses? \_\_\_\_\_  
\_\_\_\_\_ (3)

**Q.9**

A man stood 250 metres from a wall and fired a starting pistol.

1.5 seconds later he heard the echo of the shot.

Use this data to calculate the speed of sound in air. (6)

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**Q.10** Does sound travel faster in a solid, liquid or gas? \_\_\_\_\_(3)

**Q.11**

Complete the statements below using words from the list on the right.

Sound is a form of \_\_\_\_\_ caused by vibrations.

A reflected sound is called an \_\_\_\_\_.

<b>Energy</b>
<b>Electricity</b>
<b>Noise</b>
<b>Echo</b>

(6)